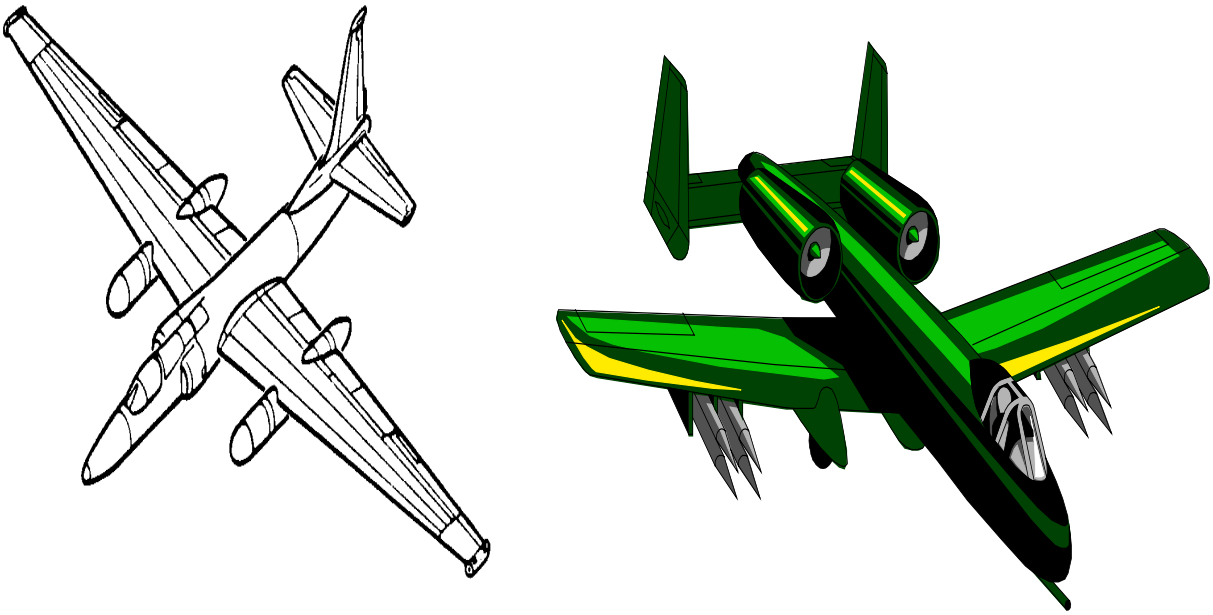
DEPARTMENT OF THE AIR FORCE
Headquarters US Air Force
Washington, DC 20330-1030

CFETP 2A3X3J
Parts I and II
DECEMBER 1998

AFSC 2A3X3J
FIGHTER AIRCRAFT MAINTENANCE SPECIALTY



CAREER FIELD EDUCATION AND TRAINING PLAN

CAREER FIELD EDUCATION AND TRAINING PLAN
FIGHTER AIRCRAFT MAINTENANCE SPECIALTY
AFSC 2A3X3J

Table of Contents

PART I

PART II

Supersedes: CFETP 2A3X3J, December 1994
Change 1, June 1997
Change 2, April 1998

Approved By: HQ USAF/ILMM (CMSgt Funk)
OPR: 362 TRS/TRR (R. Jackson)
Number of Printed Pages: 80

FIGHTER AIRCRAFT MAINTENANCE SPECIALTY
AFSC 2A3X3J
CAREER FIELD EDUCATION AND TRAINING PLAN

PART I

Preface

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and instill rigor in all aspects of career field training. To read, review, or print a copy of current CFETP, go to the Aircraft Maintenance Homepage at: **http://www.hq.af.mil/AFLG/LGM/ac-tng.html**. ***NOTE:*** Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts; both parts of the plan are used by supervisors to plan, manage, and control training within the career field.

2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints. Some examples are funds, manpower, equipment, and facilities. Section E identifies transition training guide requirements to support career field restructures.

2.2. Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, and technical references to support training; Air Education and Training Command (AETC) conducted training; wartime course requirements; core tasks; and correspondence course requirements. Section B contains the course objective list and training standards supervisors use to determine if airmen satisfied training requirements. Section C identifies available support materials. An example is a Qualification Training Package (QTP) developed to support proficiency training. These QTP packages are identified in AFIND8, *Numerical Index of Specialized Educational Training Publications.* Section D identifies a training course index supervisors use to determine resources available to support training; included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors use to determine additional training requirements unique to the MAJCOM.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training (AT). Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list which describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on AFJQS are common to all persons serving in the described duty position.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

Certification. A formal indication of an individual's ability to perform a task to required standards.

Certification Official. A person the commander assigns to determine an individual's ability to perform a task to required standards.

Continuation Training. Additional training exceeding requirements with emphasis on present or future duty assignments.

Core Task. A task Air Force Career Field Managers (AFCFMs) identify as a minimum qualification requirement within an Air Force Specialty regardless of duty position. Core tasks identified with an *R are optional for AFRC and ANG.

Course Objective List (COL). A publication identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-/7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, Developing, Managing and Conducting Military Training Programs.

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

Field Technical Training (Type 4). Special or regular on-site training conducted by a training detachment (TD) or by a mobile training team (MTT).

Initial Skills Training. A formal resident course which results in award of a 3-skill level AFSC.

Instructional System Development (ISD). A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

Mission Ready Technician. A formal course which results in an airman receiving hands-on training and task certification of selected tasks so the individual will be immediately productive upon arrival at their first duty section.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an airman in a specific duty position. This training occurs both during and after the upgrade training process. It is designed to provide the performance skill/knowledge training required to do the job.

Qualification Training Package (QTP). An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in other audiovisual media.

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being accomplished.

Specialized Training Package and COMSEC Qualification Training Package. A composite of lesson plans, test material, instructions, policy, doctrine, and procedures necessary to conduct training. These packages are prepared by AETC, approved by National Security Agency (NSA), and administered by qualified communications security (COMSEC) maintenance personnel.

Specialty Training Standard (STS). An Air Force publication that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between the Air Education and Training Command and the functional user to show which of the overall training requirements for an Air Force Specialty Code are taught in formal schools, career development courses, and exportable courses.

Training Impact Decision System (TIDES). A computer-based decision support technology being designed to assist AFCFMs in making critical judgments relevant to what training should be provided personnel within career fields, when training should be provided (at what career points), and where training should be conducted (training setting).

Upgrade Training (UGT). A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

Utilization and Training Workshop (U&TW). A forum of MAJCOM Air Force Specialty Code (AFSC) functional managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

Section A - General Information

1. Purpose. This CFETP provides information necessary for Air Force Career Field Managers (AFCFM), MAJCOM Functional Managers (MFMs), commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2A3X3J should receive to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Normally, this training is conducted by AETC at one or more of the technical training centers. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:

1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.

1.2. Identifies task and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individuals career.

1.3. Lists training courses available in the specialty, identifies sources of training, and the training delivery method.

1.4. Identifies major resource constraints which impact full implementation of the desired career field training process.

2. Uses. The plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. AETC training personnel will develop/revise formal resident, non-resident, field and exportable training based on requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining resources needed to provide the identified training.

2.2. MFMs will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM-developed mandatory training to support this specialty must be identified for inclusion into this plan and must not duplicate other available training resources.

2.3. Each individual will complete the mandatory training requirements specified in this plan. The lists of courses in Part II will be used as a reference to support training.

3. Coordination and Approval. The AFCFM is the approval authority. MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for this specialty will initiate an annual review of this document by AETC and MFMs to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

Section B - Career Progression and Information

4. Specialty Description.

4.1. **Specialty Summary.** Maintains AFSC 2A3X3J fighter aircraft, support equipment, and forms and records. Performs and supervises flight chief, expediter, crew chief, aero repair, and maintenance support functions. Related DoD Occupational Subgroup: 600.

4.2. **Duties and Responsibilities.**

4.2.1. Services aircraft. Performs end-of-runway, postflight, preflight, thruflight, and phase inspections. Advises on problems maintaining, servicing, and inspecting aircraft and related aerospace equipment. Uses technical data to diagnose and solve maintenance problems on aircraft systems. Interprets and advises on maintenance procedures and policies to repair aircraft and related equipment.

4.2.2. Troubleshoots and maintains aircraft structures, systems, components, and related equipment. Removes and installs aircraft components. Conducts functional tests of repaired components and systems. Adjusts, aligns, and rigs aircraft systems. Supervises and performs aircraft jacking, lifting, and towing operations.

4.2.3. Inspects aircraft structures, systems, components, and related systems. Supervises and performs aircraft and component inspections. Interprets inspection findings and determines adequacy of corrective actions. Inspects and checks components for clearances, tolerances, proper installation, and operation. Inspects and operates powered and nonpowered aerospace ground equipment. Inspects and identifies aircraft corrosion for prevention and repair. Reviews maintenance forms, aircraft records, automated maintenance data systems, and historical reports to ensure complete documentation. Inventories and maintains aircraft equipment.

4.2.4. Performs flight chief, production superintendent, expediter, crew chief, aero repair, and maintenance support functions. Coordinates maintenance plans and schedules to meet operational commitments. Supervises and assists in launching and recovering aircraft. Reviews maintenance data collection summaries to determine trends and production effectiveness. Performs crash recovery duties. Performs staff and supervisory management functions.

5. Skill/Career Progression

5.1. Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential for everyone involved in training to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives necessary training at appropriate points in their career. The following narrative and AFSC 2A3X3J Career Field tables identify the skill/career progression.

5.2. **Apprentice (3) Level.** Following Basic Military Training, initial skills training will be provided in a resident course at the 82d Training Wing, Sheppard AFB TX. The course will lay the foundation for additional training at the graduate's first duty assignment. Trainees will utilize the Career Development Course (CDC), and Task Qualification Training to progress in their career field. Upon completion of CDC 2A353J and Air Force core task qualifications, the trainee should complete other available duty position training.

5.3. **Journeyman (5) Level.** Once upgraded to the 5-level, the journeyman will enter into continuation training to broaden their experience base by increasing their knowledge and skill in troubleshooting and solving more complex problems. Five-levels may be assigned job positions such as aircraft dedicated crew chief, quality assurance, aero repair, and various staff positions. After having 48 months in the Air Force, 5-levels will attend Airman Leadership School (ALS) to enhance their Professional Military Education (PME). Five-levels will be considered for appointment as unit trainers. CDC study is continued to prepare for Weighted Airman Promotion testing. Airmen should also consider continuing their education toward a Community College of the Air Force (CCAF) degree.

5.4. **Craftsman (7) Level.** A craftsman can expect to fill various supervisory and management positions such as expediter, shift leader, element chief, flight chief, task certifier, and various staff positions. Exportable MDS specific courses and MAJCOM/unit directed courses are also available. Seven-levels should take courses or obtain added knowledge of management of resources and personnel. Continued academic education through CCAF and higher degree programs is encouraged. In addition, when promoted to TSgt, individuals will attend the Noncommissioned Officer Academy.

5.5. **Superintendent (9) Level.** A 9-level can be expected to fill positions such as flight NCOIC, production supervisor, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Individuals promoted to SMSgt will attend the Senior Noncommissioned Officer Academy. Additional higher education and completion of courses outside their career AFS is also recommended.

6. Training Decisions. This CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the 2A3X3J Aircraft Maintenance career field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication and prevent a fragmented approach to training. The following training decisions were based on a career field Utilization and Training Workshop (U&TW) held 16-20 March 1998 at Sheppard AFB Texas.

6.1. **Initial Skills**. Training consists of an Aircraft Fundamentals course and specific follow-on courses. Fundamentals training consists of maintenance fundamentals, principles of flight, general aircraft systems, use of hand tools and technical orders, and operation/use of support equipment. The course is continually updated to provide emphasis on hands-on tasks. After fundamentals, U-2 students attend TD course, J3ABP2A333H 005, at Beale AFB California for 50 days. Students receive specific training on the U-2. A-10 students attend J3AQR2A333E 002 (aircraft specific training follow-on) course at Sheppard AFB Texas and receive expanded aircraft systems and task certification training on selected tasks. After training at Sheppard, A-10 students proceed to a “hot” location (active flightline) at Davis Monthan AFB Arizona for course

J3ABP2A333E 002. They receive task certification training on various flightline tasks such as launch and recovery, inspections, and servicing. Completion of the specific J3ABP courses result in the award of apprentice skill level. The specific training accomplished is shown in attachment 3 for A-10 and attachment 4 for U-2 in Part II of the CFETP. The MRT program is designed to certify basic students at the "3c" level on selected aircraft specific tasks at the technical school so they will be productive immediately upon arrival at their first duty section. A task certified apprentice means the individual can complete the task utilizing tech data, but may not meet local standards for speed. AETC instructors will document and certify the tasks (from the CFETP Qualitative Requirements) trained to the 3c proficiency level. It is strongly recommended the technical training graduates be assigned to a flightline unit initially to maximize the benefit of the Mission Ready Technician Program. There were minor adjustments to the 3-level training in the fundamental course. Several changes were made to the A-10 MRT course. Marshaling aircraft was added to the "a" knowledge level, and the CFETP was coded with some items already being taught: servicing of landing gear struts, accumulators, and reservoirs were added to "3c".

6.2. **Five Level Upgrade Requirements.** To upgrade to the 5-level, personnel must meet educational and training requirements and grade requirements as listed in table A8.1. Enlisted Career Path. The working group elected to eliminate the 5-level generic CDC and use an MDS specific CDC. Five level CDCs will concentrate on systems operation and fundamentals on both the A-10 and U-2. Technical manuals and blueprints will also be covered. A few topics will be covered to the "A" knowledge level. For example, subjects such as U-2 decontamination, and factory manuals were placed in 5-level CDCs. The CDC writer was tasked to add several sentences regarding replacement of current oxygen systems with the self-generating oxygen system.

6.3. **Seven Level Upgrade Requirements.** To upgrade to the 7-level, personnel must meet educational and training requirements and grade requirements as listed in table A8.1. Enlisted Career Path. Seven levels must be a SSgt with 18 months OJT, complete core task training, complete CDCs 2AX7X and 2A373J, and complete the 7-level residence course at Sheppard AFB Texas for upgrade to the Craftsman level. The working group seven-level CDCs will concentrate on systems troubleshooting ("B" knowledge) on both airframes. Troubleshooting on the U-2 aircraft was added to the same level as the A-10. Information on the F-4 and F-111 are to be eliminated. The CDC writer will add scenarios to the CDCs on the following topics: engine no rotation, engine power loss, engine no fuel flow, engine oil pressure flux, and APU auto shutdown. The group recommended changes to the generic maintenance management CDC and elected to use CDC 2AX7X for 7-level upgrade. There were some changes in the seven-level in-residence training. The management portion was modified to include more scenarios and shifted to a seminar format. The purpose of the management portion is to cover the interrelationships in supply, maintenance management, equipment, and other resources. Troubleshooting engines was added and APU training was reduced.

6.4. **Continuation Training.** Any additional knowledge and skill requirements which were not taught through initial or upgrade training are assigned to unit training or Training Detachments. The purpose of the continuation training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMs develop a proficiency training program that ensures individuals in the 2A3X3J

Aircraft Maintenance career field receive necessary training at the appropriate point in their career. The program identifies mandatory and optional training requirements.

7. Community College of the Air Force. Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associates in Applied Sciences Degree. In addition to its associates degree program, CCAF offers the following:
7.1. **Occupational Instructor Certification.** Upon completion of instructor qualification training, consisting of the Basic Instructor Course (BIC) and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.
7.2. **Trade Skill Certification.** When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The College uses a competency based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.
7.3. **Degree Requirements.** All airmen are automatically entered into the CCAF program. Prior to completing an associates degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education	24
Leadership, Management, and Military Studies	6
Physical Education	4
General Education	15
Program Elective (Technical Education; Leadership, Management, and Military Studies; or General Education)	15
Total	64

7.3.1. **Technical Education** (24 Semester Hours): Completion of the 2A333J aircraft specific courses (see course listing below) satisfies some semester hours of the technical education requirements. A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective courses.

Course	Semester Hours
J3AQR2A333E 002 (A-10)	25
J3ABP2A333E 002 (A-10 with J3AQR course included)	29
J3AQR2A333H 000 (U-2)	7
J3ABP2A333H 005 (U-2)	9

NOTE: These are the approximate hours listed for courses. These hours will change when revisions are made to courses. CCAF must be contacted to get the correct number of hours for all courses.

7.3.2. **Leadership, Management, and Military Studies** (6 Semester Hours): Professional military education and/or civilian management courses.
7.3.3. **Physical Education** (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.
7.3.4. **General Education** (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.
7.3.5. **Program Elective** (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.
7.4. **AETC Instructor Requirements**: Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command Instructor should be actively pursuing an associates degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

8. Career Field Path

8.1. Enlisted Career Path.

Table 8.1 Enlisted Career Path

Education and Training Requirements	Grade Requirements			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Complete all 5-level core tasks on one MDS. - Minimum 15 months on-the-job training. - Complete appropriate CDC if/when available.	Amn A1C SrA	6 months 16 months 3 years	28 months	10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
Trainer - Qualified and certified to perform the task to be trained. - Have attended the formal trainer's course and appointed in writing by Commander.	**Certifier** - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal certifier course and appointed in writing by Commander. - Be a person other than the trainer.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - Complete all 5/7 level core tasks on one MDS. - 18 months OJT. - Complete appropriate CDC if/when available. - Advanced Technical School.	SSgt	7.5 years	3 years	20 Years
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	12.5 years 16 years	5 years 8 years	20 Years 24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - A percentage of top nonselect (for promotion to E-8) MSgts attend the SNCOA each year. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt. - Must be a resident graduate of SNCOA (Active Duty Only).	CMSgt	21.5 years	14 years	30 Years

8.2. **Education and Training Manager Checklist:**

Table A8.2. Base Education and Training Manager Checklist		
Requirements for Upgrade to:	**Y**	**N**
Journeyman - Has the apprentice completed mandatory CDCs, if available? - Has the apprentice completed all 5-level core tasks on one MDS aircraft identified in the CFETP? - Has the apprentice completed all other duty position tasks identified by the supervisor? - Has the apprentice completed 15 months upgrade training (9 months for retrainees)? - Has the apprentice met mandatory requirements listed in specialty description, AFMAN 36-2108 (Airman Classification), and CFETP? - Has the apprentice been recommended by their supervisor?		
Craftsman - Has the journeyman achieved the rank of SSgt? - Has the journeyman completed mandatory CDCs, if available? - Has the journeyman completed all 5- and 7-level core tasks on one MDS aircraft identified in the CFETP? - Has the journeyman completed all other duty position tasks identified by the supervisor? - Has the journeyman attended 7-skill level Craftsman Course (if available)? **First, they must complete:** -- All 5- and 7-skill level core and duty position training requirements listed in the CFETP. -- All applicable mandatory CDCs and/or exportable courses. -- A minimum of 12 months UGT (6 months for retrainees). - Has the journeyman completed a minimum 18 months UGT (12 months for retrainees) for award of the 7-skill level?		

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade _____(Trainee Name)

Trainee is prepared to be upgraded and has completed all mandatory training requirements. Supervisor recommends upgrade.

_____ _____

Training Manager Supervisor

8.3. **Graduate Assessment Survey:** Graduate Assessment Surveys are used by AETC training squadrons as feedback on initial skills courses. This document allows the supervisor of a technical training graduate to rate that person based on four areas; (1) graduate's attitude and adherence to military standards, (2) graduate's ability to perform at the apprentice level as defined in the CFETP, (3) how well the apprentice job requirements in the CFETP meet the job requirements in your workplace, and (4) whether the supervisor received graduate's training report card (AETC Form 156). There is also space for supervisor's comments and a rating scale which shows how to rate the questions on the document. Personnel from the technical training courses will contact supervisors of any graduate who is rated Below Satisfactory or Well Below Satisfactory. These surveys and the training squadron's reply are reviewed by Training Squadron/Group Commanders and the AFCFM.

Section C - Skill Level Training Requirements

9. Purpose. Skill level training requirements in the 2A3X3J career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award and retention of each skill level. The specific task and knowledge training requirements are identified in the STS at Part II, Sections A and B of this CFETP.

10. Specialty Qualifications:

10.1**. Apprentice Level Training:**

10.1.1. **Specialty Qualification.**

10.1.1.1. **Knowledge**. Knowledge is mandatory of; principles applying to aircraft systems; concepts and application of maintenance directives and data reporting; using technical data; Air Force supply and deficiency reporting procedures; and proper handling, use, and disposal of hazardous waste and materials.

10.1.1.2. **Education**. For entry into this specialty, completion of high school is desirable with courses in physics, hydraulics and electronics.

10.1.1.3. **Training**. For award of AFSC 2A333X, completion of a suffix specific basic aircraft maintenance course is mandatory.

10.1.1.4. **Experience.** None

10.1.1.5. **Other**. For entry into this specialty, normal color vision as defined in AFI 48-123, *Medical Examination and Standards,* is mandatory. For award and retention of AFSC 2A333X, eligibility for a Secret security clearance according to AFI 31-501 is mandatory.

10.1.2. **Training Sources and Resources.** The 3-level initial skills course will provide the required knowledge, qualification, and if applicable certification. Training will focus on increasing "hands-on" time with task performance as the learning foundation. This strategy allows current weapon system specific training to be included in the initial skills course. Initial skills training consists of aircraft principles, system theory and operation, system components, component removal and installation, introduction to maintenance concepts, general flightline maintenance practices, use of technical publications, maintenance documentation, and AGE/SE equipment familiarization and use.

10.1.3. **Implementation.** Upon graduation from Basic Military Training (BMT) completion of courses J3ATR2A020 001, Aircraft Maintenance Fundamentals and J3AQR2A333E 002, Fighter Aircraft Maintenance Apprentice (A-10), are prerequisites for courses J3ABP2A333E 002,

Fighter Aircraft Maintenance Apprentice (A-10). These combinations satisfy the knowledge and training resource requirements for award of the 3-skill level for A-10 trainees. For U-2 trainees, courses J3AQR2A333H 000 and J3ABP2A333H 005 satisfy the requirements for award of the 3-skill level after graduating from BMT. Courses are conducted at Sheppard AFB Texas with the exception of course J3ABP2A333E 002 which is conducted at Davis Monthan AFB Arizona and J3ABP2A333H 005 which is conducted at Beale AFB California. by the Training Detachment.

10.2. **Journeyman Level Training:**

10.2.1 **Specialty Qualification.**

10.2.1.1. **Knowledge.** In addition to the 3-level qualifications, a 5-skill level must possess the knowledge and skills necessary to maintain fighter aircraft. A 5-level must be task qualified on inspecting aircraft and associated systems, analyzing and correcting system malfunctions, repairing and replacing aircraft system components, operational checks, and use and maintenance of test and support equipment.

10.2.1.2. **Education.** There are no additional education requirements beyond those defined for the apprentice level.

10.2.1.3. **Training.** For award of AFSC 2A353J, the 5-level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.

10.2.1.4. **Experience.** Qualification in and possession of AFSC 2A333J. Also, experience in functions such as repairing and maintaining aircraft or related installed equipment.

10.2.1.5. **Other.** For entry into this specialty, normal color vision as defined in AFI 48-123 is mandatory. For award and retention of AFSC 2A353J, eligibility for a Secret security clearance according to AFI 31-501 is mandatory.

10.2.2. **Training Sources and Resources.** A minimum of 15 months on-the-job training, completion of the 2A353J CDC and 5-level core tasks represent the resources needed for award of the 5-skill level.

10.2.3. **Implementation.** Training to the 5-level is performed by the units utilizing the STS, exportable courses, and CDCs. Upgrade to the 5-level requires completion of the basic 2A353J CDC, completion of all 5-level core tasks on one MDS aircraft, and completion of duty position tasks.

10.3. **Craftsman Level Training:**

10.3.1 **Specialty Qualification.**

10.3.1.1. **Knowledge.** In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge of theory, concepts, principles and application of fighter aircraft systems. The 7-level must be able to supervise and train personnel to maintain aircraft systems. They must be able to plan, schedule, and organize maintenance to ensure effective utilization of available resources. Qualification is required on advanced repair, inspection, troubleshooting, and diagnostic techniques. Historical documentation analysis is also required for all 7-levels.

10.3.1.2. **Education.** There are no additional education requirements beyond those defined for the apprentice level.

10.3.1.3. **Training.** Completion of mandatory CDCs, 7-level core tasks, and resident 7-level course are mandatory for upgrade to 2A373J.

10.3.1.4. **Experience.** Qualification in and possession of AFSC 2A353J. Also, experience performing or supervising functions such as installing, inspecting repairing, or overhauling aircraft structures, systems, and components.
10.3.1.5. **Other.** For entry into this specialty, normal color vision as defined in AFI 48-123 is mandatory. For award and retention of AFSC 2A373J, eligibility for a Secret security clearance according to AFI 31-501 is mandatory.
10.3.2. **Training Sources and Resources.** Completion of the J3ACR2A373J 000 course at Sheppard AFB Texas, completion of CDCs 2AX7X and 2A373J, along with supervisor certification of Air Force directed core tasks represent the resources required for award of the 7-skill level. The Course Objective List (COL) listed in Part II lists the training rendered at the 7-level resident course at Sheppard AFB Texas.
10.3.3. **Implementation.** Upgrade to the 7-level will require completion of all 5- and 7-level core tasks on one MDS aircraft, duty position tasks, 18 months OJT, 7-level CDCs, and resident 7-level course at Sheppard AFB Texas. Completion of core tasks, 7-level CDCs, and 12 months OJT (6 months for retrainee) will be completed before attending the resident course.
10.4. **Superintendent Level Training:**
10.4.1 **Specialty Qualification.**
10.4.1.1. **Knowledge.** Knowledge is mandatory of: electrical and mechanical principles applying to aircraft and SE; concepts and application of maintenance directives; maintenance data reporting; interpreting and use of maintenance data reports and technical orders; Air Force supply and deficiency reporting procedures; resource management; and proper handling, use, and disposal of hazardous waste and materials.
10.4.1.2. **Education.** There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.
10.4.1.3. **Training.** For award of AFSC 2A390, completion of Senior NCO Academy in residence, and unit OJT is mandatory.
10.4.1.4. **Experience.** For award of AFSC 2A390, qualification in and possession of AFSC 2A371, 2A372, or 2A373X is mandatory. Also, experience is mandatory managing or directing functions such as inspecting or maintaining aircraft and SE.
10.4.1.5. **Other.** Not used.
10.4.2. **Training Sources/Resources.** Instruction received at the Senior NCO Academy and duty position qualification represent the required resources for upgrade to the 9-skill level.
10.4.3. **Implementation.** The 9-level will be awarded after completing MAJCOM requirements, unit OJT, and promotion to SMSgt. Most individuals will attend the Senior NCO Academy after they are selected for promotion to SMSgt.

Section D - Resource Constraints

11. Purpose. This section identifies known resource constraints which preclude optimal/desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

12. Apprentice Level Training: There are no resource constraints for apprentice training.

13. Five Level Training: There are no constraints for 5-level training.

14. Seven-Level Training: There are no constraints for 7-level training.

Section E. - Transitional Training Guide.

There are currently no transition training requirements. This area is reserved.

Part II

Section A - Specialty Training Standard

1. Implementation. This STS will be used for technical training provided by AETC for classes beginning in December 1998 and graduating May 1999.

2. Purpose. As prescribed in AFI 36-2201, this STS:
2.1. Lists in column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. Items in column 1 marked with an asterisk (*) are task/knowledge that are trained in resident wartime courses.
2.2. Column 2 (Core Tasks) identifies, by asterisk (*), specialty-wide training requirements. Core tasks identified with an *R are optional for AFRC and ANG. As a minimum, certification on all shop/flightline core tasks applicable to one Mission Design Series (MDS) aircraft assigned must be completed for skill level upgrade. Core task exemptions: (1) core tasks which are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not required to send personnel TDY for core task training); (2) units are not exempt from minimum core task training if aircraft/equipment are assigned to another unit on base, and (3) core tasks on more than one assigned MDS are not required unless deemed mandatory by the MAJCOM FM, unit, and/or supervisor.
2.3. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification/completed date.
2.4. Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as result of training on the task/knowledge and the career knowledge provided by the correspondence course. When two codes are used in column 4 (e.g. 2b/b), the first code is the established requirement for resident training on the task/knowledge, and the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listing.
2.5. **Qualitative Requirements:** Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.
2.6. **Job Qualification Standard:** Becomes a Job Qualification Standard (JQS) for on-the-job training (OJT) when placed in the AF Form 623, **On-the-Job Training Record**, and used according to AFI 36-2201. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply:
2.6.1. **Documentation:** Document and certify training IAW AFMAN 36-2247, Chapter 5. Automated records, utilizing Core Automated Maintenance System (CAMS) or Integrated Maintenance Data System (IMDS)/Global Combat Support System (GCSS), reflecting this STS may be used and are highly encouraged. The CFETP Section I and Section II, Part A must be filed in individual records. Use of attachments one and two are mandatory in records. Use of

attachments three and four is optional depending upon duty position. Attachment five is not used in training records. MAJCOMs may designate additional core tasks other than those already identified in the CFETP. There are no approved AFJQS for this AFSC.

2.6.1.1. **Certification.** Certify training IAW AFM 36-2247, para 5-9. Identify duty position requirements by circling (in pencil) the subparagraph number next to the task statement. As a minimum, complete the following columns: date training completed, trainee initials, trainer initials, and certifier initials (core tasks only). Trainers may sign off non-core and non-critical tasks by initialing the trainer's column; third party certification is not required for non-core and non-critical tasks.

2.6.1.2. **Converting from Old Document to CFETP:** Transcribe records IAW AFMAN 36-2247. All AFJQSs and previous CFETPs are replaced by this CFETP; therefore, conversion of all training records to this CFETP STS is mandatory. Automated records reflecting this STS may be used and are highly encouraged. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. For those tasks previously certified and required in the current duty position, evaluate current qualifications and, when verified, recertify using current date as completion date and trainee, trainer, and certifier initials (core tasks). For non-core and non-critical tasks only the trainer and trainee initials are required. For previously certified tasks not required in the current duty position, carry forward ***only*** the previous completion date. If and when these tasks become a duty position requirement, recertify using standard certification procedures. Return all old training records and contents to the trainee to retain for historical data.

2.6.1.3. **Documenting Career Knowledge:** When a CDC is not available: the supervisor identifies CFETP part II training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFI 26-2108. CDC information in **all** attachments is mandatory for five and seven-level upgrade. For two-time CDC course exam failures: supervisors identify all Part II items corresponding to the areas covered by the CDC. The trainee completes a study of references, undergoes evaluation by the task certifier, and receives certification on the CFETP Part II. Supervisors must document successful completion of career knowledge prior to submitting a CDC waiver.

2.6.1.4. **Decertification and Recertification:** When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, **On-The-Job Training Record Continuation Sheet**, as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid/tape (if the entries are in ink) over the previously certified entry.

2.6.2. **AF Form 797**. When additional items not listed in the CFETP Part II are necessary in the current duty assignment, enter them on the AF Form 797. Fill out the form IAW AFMAN 36-2247.

2.6.3. **Disposition of Training Records**. Upon separation, retirement, commissioning, or promotion to Master Sergeant (unless otherwise directed by the AFCFM, MAJCOM, unit commander, or supervisor), give the individual their training records. Also, give individuals outdated training records after transcribing records. Do not remove any training records that show past qualifications unless transcribed to a new CFETP/AFJQS. For example, an individual working in a tool crib or staff position must maintain documented career field qualifications in

case they return to direct maintenance duty in the shop. Supervisors must exercise good judgment when removing training records not needed in current duty positions.
2.7. Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

3. Recommendations. Report unsatisfactory performance of individual course graduates to the AETC training manager at 362 TRS/TRR, 613 10th Avenue, Sheppard AFB TX, 76311-2352, DSN 736-1825. Reference specific STS paragraphs. A customer service information line has been installed for the supervisor's convenience to identify graduates who may have received training on task/knowledge items listed in this training standard. For a quick response to problems, call our customer service information line, DSN 736-5236.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

JOHN W. HANDY, Lieutenant General, USAF
DCS/Installations and Logistics

5 Attachments
1. Proficiency Code Key (mandatory to file in individual records with CFETP Section I and Section II, Part A)
2. STS 2A3X3J (mandatory to file in individual records)
3. A-10 Qualitative Requirements (optional)
4. U-2 Qualitative Requirements (optional)
5. A-10 MRT Matrix (not used in training records)

This Block Is For Identification Purposes Only		
Name Of Trainee		
Printed Name (*Last, First, Middle Initial*)	Initials (Written*)*	SSAN

Printed Name Of Training/Certifying Official And Written Initials	
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***
N/I	***N/I***

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	**IS EXTREMELY LIMITED** (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	**IS PARTIALLY PROFICIENT** (Can do most parts of the task. Needs only help on hardest parts.)
	3	**IS COMPETENT** (Can do all parts of the task. Needs only a spot check of completed work.)
	4	**IS HIGHLY PROFICIENT** (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	**KNOWS NOMENCLATURE** (Can name parts, tools, and simple facts about the task.)
	b	**KNOWS PROCEDURES** (Can determine step by step procedures for doing the task.)
	c	**KNOWS OPERATING PRINCIPLES** (Can identify why and when the task must be done and why each step is needed.)
	d	**KNOWS ADVANCED THEORY** (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	**KNOWS FACTS** (Can identify basic facts and terms about the subject.)
	B	**KNOWS PRINCIPLES** (Can identify relationship of basic facts and state general principles about the subject.)
	C	**KNOWS ANALYSIS** (Can analyze facts and principles and draw conclusions about the subject.)
	D	**KNOWS EVALUATION** (Can evaluate conditions and make proper decisions about the subject.)

Explanations

***** A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)

** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.

- This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDCs.

X This mark is used in course columns to show that training is required but not given due to limitations in resources (3c/b, 2b/b etc.).

Note: Tasks and knowledge items shown with an asterisk (*) in column one are trained during war time.

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
NOTE 1: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 2: Items in column 1 marked with an asterisk (*) are task/knowledge that are trained in resident wartime courses. The resident 7-level course will not be taught in wartime.											
NOTE 3: Items in column 2 marked with an asterisk (*) are the core tasks for either the 5 or 7 skill level and are required for upgrade.											
NOTE 4: Codes in STS column 4a(1) denote Aircraft Maintenance Fundamentals Course J3ATR2A020 001.											
NOTE 5: All applicable safety and inspection requirements, TOs/corrosion, FOD, use of aircraft equipment, tools and hardware necessary to properly perform maintenance are integrated throughout training.											
NOTE 6: Use of equipment items A2.20.5.3. and A2.20.14.3 will be simulated.											
A2.1. CAREER LADDER INFORMATION TR: AFM 36-2108											
A2.1.1. Accountability and core values								-	-	-	B
A2.1.2. Mobility								-	-	-	A
A2.1.3. Progression in career ladder 2A3X3J								A	-	-	-
A2.1.4. Duties of AFS 2A3X3J								B	-	-	-
*A2.2. OPERATIONS SECURITY (OPSEC) VULNERABILITY OF AFSC 2A3X3J TR: AFI 10-1101								A	-	-	-
A2.3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: Applicable AFOSH Standards; Aircraft TO, AFI 91-301											
*A2.3.1. Housekeeping consistent with safety of personnel and equipment								A	B	-	-
A2.3.2. Safety precautions pertaining to aircraft maintenance											
*A2.3.2.1. Engine air intake and exhaust								A	B	-	-
*A2.3.2.2. High intensity sound								A	B	-	-
*A2.3.2.3. Turbine plane of rotation								A	B	-	-
*A2.3.2.4. Radio frequency radiation								A	B	-	-
*A2.3.2.5. Ground handling of aircraft TR: AFI 11-218, TO 00-25-172								A	B	-	-
*A2.3.2.6. Hot brakes								A	B	-	-
*A2.3.2.7. Use of tools and equipment								A	B	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A2.3.2.8. Servicing aircraft systems TR: TO 00-25-172								A	B	-	-
*A2.3.2.9. Cleaning agents								A	B	-	-
*A2.3.2.10. Solvents								A	B	-	-
*A2.3.2.11. Lubricants								A	B	-	-
A2.3.3. Fire extinguishers AFI 32-2001											
*A2.3.3.1. Inspect								2b	B	-	-
*A2.3.3.2. Position								2b	B	-	-
*A2.3.3.3. Operate								b	-	-	-
*A2.3.4. Foreign Object Damage (FOD) Prevention Program TR: AFI 21-101								B	-	-	A
A2.3.5. Dropped Object Prevention Program								-	A	-	-
A2.3.6. Hazardous chemicals TR: AFOSH Std 161-21											
*A2.3.6.1. Use								A	B	-	-
*A2.3.6.2. Disposal								A	B	-	-
*A2.3.6.3. Hazard Communication Training Program								B	-	-	-
A2.3.6.4. Hazardous material handling procedures								-	-	-	B
A2.4. MAINTENANCE DIRECTIVES, INSTRUCTIONS AND REFERENCES TR: AFI 37-160 v1, AFI 21-3, TOs 00-5-1, 00-5-2											
*A2.4.1. TO system								A	B	-	-
*A2.4.2. Air Force manuals and instructions								A	B	-	-
*A2.4.3. Use technical publications								2b	-	-	-
*A2.4.4. Tech Order Improvement Reporting								A	B	-	-
A2.4.5. Tech order management								-	-	-	B
A2.5. SUPERVISION TR: AFI 21-101											

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.5.1. Plan maintenance								-	-	-	-
A2.5.2. Schedule maintenance and personnel								-	-	-	-
A2.5.3. Supervise personnel accomplishing maintenance								-	-	-	-
A2.5.4. Establish											
A2.5.4.1. Work methods								-	-	-	-
A2.5.4.2. Work controls								-	-	-	-
A2.5.4.3. Performance standards								-	-	-	-
A2.5.5 Evaluate work performance of subordinate personnel TR: AFI 36-2403								-	-	-	-
A2.5.6. Participate in USAF Graduate Evaluation Program TR: AFI 36-2201								-	-	-	-
A2.6. TRAINING TR: AFI 36-2201											
A2.6.1. Evaluate personnel for training								-	-	-	-
A2.6.2. Plan and supervise OJT											
A2.6.2.1. Prepare job qualification standards								-	-	-	-
A2.6.2.2. Counsel trainees on training progress								-	-	-	-
A2.6.2.3. Monitor effectiveness of											
A2.6.2.3.1. Career knowledge upgrade training								-	-	-	-
A2.6.2.3.2. Position qualification training								-	-	-	-
A2.6.3. Specialty Training											
A2.6.3.1. Training management and training records								-	-	-	B
A2.6.3.2. Document training records								-	A	B	B
A2.6.3.3. Career Field Education and Training Plan (CFETP)								-	A	-	B
A2.6.3.4. Specialty Training Standard (STS)								-	-	-	B
A2.6.3.5. Occupational Survey Report (OSR)								-	-	-	B

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.6.3.6. Utilization and Training Workshop (U&TW)								-	-	-	B
A2.6.3.7. Training Request								-	-	-	A
A2.6.4. Evaluate effectiveness of training programs								-	-	-	-
A2.6.5. Recommend personnel for training TR: AFCAT 36-2223, AFI 36-2101, AFM 36-2108, AFI 10-204								-	-	-	-
A2.6.6. OJT trainer requirements											
A2.6.6.1. Prepare teaching outlines on task breakdowns								-	-	-	-
A2.6.6.2. Provide trainees theory and train on actual equipment								-	-	-	-
A2.6.6.3. Provide feedback on training provided								-	-	-	-
A2.6.7. OJT task certifier requirements											
A2.6.7.1. Develop methods of evaluation to determine trainee knowledge/ qualification, and training effectiveness								-	-	-	-
A2.6.7.2. Use appropriate methods of evaluation and effectively determine trainee's ability								-	-	-	-
A2.6.7.3. Provide supervision and trainer feedback on results of training provided and trainee's strengths/weakness								-	-	-	-
A2.7. MAINTENANCE MANAGEMENT TR: AFI 21-101, AFI 21-118											
A2.7.1. Basic functions within maintenance								A	B	-	B
A2.7.2. Operations/Logistics Group Commander Responsibilities								-	-	-	B
A2.7.3. Aircraft Maintenance Management Information Systems								-	-	-	B
A2.7.4. Aircraft Monitoring								-	-	-	B
*A2.7.5. Maintenance Data Collection TR: TO 00-20 Series								A	B	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.7.6. Logistics maintenance management								-	-	-	B
A2.7.7. Base resource functions/interactions								-	-	B	-
A2.7.8. Processing and controlling material								-	-	-	B
A2.7.9. Management of training								-	-	-	-
A2.7.10. Resource management								-	B	-	B
A2.7.11. Compliance and Standardization Requirements Listing (CSRL)								-	-	-	A
A2.7.12. Maintenance Quality Performance Measures (QPM) Relationships								-	-	-	B
A2.7.13. Personnel management and interaction								-	-	B	B
A2.7.14. Expediter, production supervisor, and flight chief duties and responsibilities								-	-	-	B
A2.7.15. Budget management								-	-	-	B
A2.7.16. Financial Plan (FIN Plan)								-	-	-	A
A2.7.17. Due-In From Maintenance (DIFM) Control								-	-	B	B
A2.7.18. Equipment Account Management								-	-	B	B
A2.7.19. Maintenance Accountability								-	B	C	-
A2.7.20. Maintenance incident investigation and prevention								-	A	C	B
A2.8. Maintenance Data Collection (MDC) System TR: TO 00-20 Series											
A2.8.1. Automated maintenance systems								-	-	-	A
*A2.8.2. Use Core Automated Maintenance System (CAMS)								2b	B	-	-
*A2.8.3. Use Maintenance Data Collection forms								2b	B	-	-
A2.8.4. Job data documentation								-	-	-	B
*A2.8.5. Product Quality Deficiency Reporting (PQDR) TR: TO 00-35D-54								A	B	-	B
A2.8.6. Product Improvement Working Groups (PIWG)								-	-	-	A

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.8.7. Aircraft Battle Damage Repair (ABDR) TR: 1-1H-39								-	B	-	-
A2.8.8. Historical records								-	-	-	B
A2.8.9. Status reports								-	-	-	B
A2.8.10. Forms (781s and 244s)								-	-	-	B
A2.8.11. Configuration management								-	-	-	B
A2.8.12. Computers and computer usage											
A2.8.12.1. Using applications								-	-	-	A
A2.8.12.2. Operating systems								-	-	-	A
A2.8.12.3. Hardware								-	-	-	A
A2.8.12.4. Local Area Networks (LAN)								-	-	-	A
A2.9. MAINTENANCE MATERIALS AND TOOLS TR: TO 1-1A-8, 1-1A-14, -32 Series											
A2.9.1. Select special tools								-	-	-	-
A2.9.2. Use special tools								-	-	-	-
A2.9.3. Process TMDE equipment								-	-	-	-
A2.9.4.. Hardware											
*A2.9.4.1. Purpose								A	B	-	-
*A2.9.4.2. Use								2b	-	-	-
A2.9.5. Electrical connectors											
*A2.9.5.1. Purpose								A	B	-	-
*A2.9.5.2. Use								2b	-	- -	- -
A2.9.6. Securing devices											
*A2.9.6.1. Purpose								A	B	-	-
*A2.9.6.2. Use								2b	-	-	-
*A2.9.7. Lubricants								A	B	-	-
*A2.9.8. Sealants								A	B	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A2.9.9. Adhesives								A	B	-	-
*A2.9.10. Cleaning agents TR: TO 1-1-691								A	B	-	-
A2.9.11. Hand tools TR: Applicable AFOSH Stds, TO –32 Series											
*A2.9.11.1. Select								2b	-	-	-
*A2.9.11.2. Use								2b	-	-	-
A2.9.12. Measuring tools TR: Applicable AFOSH Stds, TO -32 Series											
*A2.9.12.1. Select								2b	B	-	-
*A2.9.12.2. Use								2b	B	-	-
*A2.9.13. Use Multimeter								1b	B	-	-
A2.9.14. Torque wrench TR: Applicable AFOSH Stds, TO -32 Series											
*A2.9.14.1. Select								2b	-	-	-
*A2.9.14.2. Use								2b	B	-	-
A2.9.15. Tool control								B	-	-	-
A2.10. RESPONSIBILITY FOR SUPPLY TR: AFM 23-110V2CD, AFI 21-101, AFI 21-118											
A2.10.1. Maintenance supply concept								-	B	-	B
A2.10.2. Standard Base Supply System (SBSS)								-	-	-	B
A2.10.3. Obtain information for special requisition and turn-in slips								-	B	-	-
*A2.10.4. Ordering parts								A	B	-	-
A2.10.5. Priority system								-	-	-	B
*A2.10.6. Preparing repairable and serviceable parts for turn-in								A	B	-	-
A2.10.7. Repair cycle assets								-	-	-	B

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.10.8. Local manufacture of parts								-	-	-	-
A2.10.9. Supply documents management								-	-	-	B
A2.10.10. Status of Resources and Training (SORTS)								-	-	-	A
A2.10.11. Classified asset handling								-	-	-	A
A2.10.12. Land mobile radios, pagers, and cell phones								-	-	-	A
A2.11. AIRCRAFT GENERAL											
*A2.11.1. Use aircraft and supporting maintenance records TR: TO 00-20 Series								2b	B	-	-
A2.11.2. Determine weight and balance procedures								-	A	-	-
A2.11.3. Inventory aircraft equipment TR: AFI 21-103								-	-	-	-
*A2.11.4. Engine and support warranty TR: TOs 00-35D-54 & 00-20-3								A	B	-	-
A2.11.5. Corrosion control program TR: TO 1-1-691											
*A2.11.5.1. Aircraft cleaning								A	B	-	-
*A2.11.5.2. Corrosion identification								A	B	-	-
*A2.11.5.3. Corrosion treatment								A	B	-	-
A2.11.6. Aircraft inspection TR: TO 00-20-5											
*A2.11.6.1. Concepts								A	B	-	-
*A2.11.6.2. Perform Preflight Inspection								1b	-	-	-
*A2.11.6.3. Perform Basic Postflight Inspection								1b	-	-	-
*A2.11.7. Ground handling TR: AFI 11-218, Applicable AFOSH Stds, TO 00-25-172, Aircraft TOs								A	B	-	-
A2.11.8. Crash recovery								-	B	-	-
A2.12. AIRFRAME											

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
TR: Aircraft TO											
*A2.12.1. Airframe structure								A	-	-	-
*A2.12.2. Remove/install airframe components								1b	-	-	-
*A2.12.3. Inspect airframe components								1b	-	-	-
A2.13 LANDING GEAR TR: Aircraft TO											
*A2.13.1. Landing gear fundamentals								A	-	-	-
A2.13.2. Service											
*A2.13.2.1. Shock strut								1b	-	-	-
*A2.13.2.2. Tire								1b	-	-	-
A2.13.3. Remove/Install											
*A2.13.3.1. Wheel and tire assembly								1b	-	-	-
*A2.13.3.2. Brake assembly								1b	-	-	-
*A2.13.4. Bleed brakes								1b	-	-	-
*A2.13.5. Inspect landing gear								1b	-	-	-
A2.13.6. Troubleshoot								-	-	-	-
A2.14. UTILITIES TR: Aircraft TO											
*A2.14.1. Utility system fundamentals								A	-	-	-
A2.14.2. Operate											
*A2.14.2.1. Oxygen system								1b	-	-	-
*A2.14.2.2. Fire/Overheat warning system								1b	-	-	-
A2.14.3. Inspect											
*A2.14.3.1. Oxygen system								1b	-	-	-
*A2.14.3.2. Fire/Overheat warning system								1b	-	-	-
A2.15. FLIGHT CONTROLS TR: Aircraft TO											

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A2.15.1. Flight control system fundamentals								A	-	-	-
*A2.15.2. Operate								1b	-	-	-
A2.15.3. Flight control components											
*A2.15.3.1. Identification								A	-	-	-
*A2.15.3.2. Inspect								1b	-	-	-
A2.15.3.3. Troubleshoot								-	-	-	-
A2.16. HYDRAULICS TR: Aircraft TO											
*A2.16.1. Hydraulics system fundamentals								A	-	-	-
A2.16.2. Service											
*A2.16.2.1. Reservoir								1b	-	-	-
*A2.16.2.2. Accumulator								1b	-	-	-
*A2.16.3. Remove/Install hydraulic components								1b	-	-	-
*A2.16.4. Inspect hydraulic system								1b	-	-	-
A2.16.5. Troubleshoot								-	-	-	-
A2.17. ENGINES TR: Aircraft TO											
*A2.17.1. Engine system fundamentals								A	-	-	-
A2.17.2. Engine components											
*A2.17.2.1. Identify								1b	-	-	-
*A2.17.2.2. Inspect								1b	-	-	-
*A2.17.3. Oil system servicing								a	-	-	-
*A2.17.4. Take JOAP sample								1b	-	-	-
A2.17.5. Joint Oil Analysis Program								-	B	-	-
A2.17.6. Troubleshoot								-	-	-	-
A2.18. FUELS TR: Aircraft TO											
*A2.18.1. Fuel system fundamentals								A	-	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A2.18.2. Operate system								1b	-	-	-
*A2.18.3. Inspect fuel system								1b	-	-	-
A2.18.4. Classify fuel leaks								-	-	-	-
A2.18.5. Troubleshoot								-	-	-	-
A2.19. ELECTRICAL TR: Aircraft TO											
*A2.19.1. Electrical system fundamentals								A	-	-	-
*A2.19.2. Operate system								1b	-	-	-
*A2.19.3. Remove/Install electrical components								1b	-	-	-
*A2.19.4. Inspect electrical system								1b	-	-	-
A2.19.5. Troubleshoot								-	-	-	-
A2.20. AEROSPACE GROUND EQUIPMENT TR: AFOSH Stds 91-66, 91-100											
A2.20.1. Maintenance stands TR: AFOSH Std 91-2, TO 35A4 Series											
*A2.20.1.1. Purpose and description								A	B	-	-
*A2.20.1.2. Perform pre-use inspection								2b	-	-	-
*A2.20.1.3. Operate								2b	-	-	-
A2.20.2. Engine stand and dollies TR: 35D3 Series											
A2.20.2.1. Purpose and description								-	B	-	-
A2.20.2.2. Perform pre-use inspection								-	-	-	-
A2.20.2.3. Operate								-	-	-	-
A2.20.3. Aircraft jacks TR: TO 35A2 Series											
*A2.20.3.1. Purpose and description								A	B	-	-
*A2.20.3.2. Perform pre-use inspection								2b	-	-	-
*A2.20.3.3. Operate								2b	-	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.20.4. Gaseous oxygen servicing equipment TR: TO 37C2-8											
*A2.20.4.1. Purpose and description								A	B	-	-
*A2.20.4.2. Perform pre-use inspection								1b	-	-	-
*A2.20.4.3. Operate								1b	-	-	-
A2.20.5. Liquid oxygen servicing equipment TR: TO 37C2-8											
*A2.20.5.1. Purpose and description								A	B	-	-
*A2.20.5.2. Perform pre-use inspection								1b	-	-	-
*A2.20.5.3. Operate								1b	-	-	-
A2.20.6. Air compressors TR: TO 34Y1 Series											
*A2.20.6.1. Purpose and description								A	B	-	-
*A2.20.6.2. Perform pre-use inspection								2b	-	-	-
*A2.20.6.3. Operate								2b	-	-	-
A2.20.7. Ground heaters and blowers TR: TO 35E7 Series											
*A2.20.7.1. Purpose and description								A	B	-	-
*A2.20.7.2. Perform pre-use inspection								2b	-	-	-
*A2.20.7.3. Operate								2b	-	-	-
A2.20.8. Generator Sets TR: TO 35C2 Series											
*A2.20.8.1. Purpose and description								A	B	-	-
*A2.20.8.2. Perform pre-use inspection								2b	-	-	-
*A2.20.8.3. Operate								2b	-	-	-
A2.20.9. Lighting equipment TR: TO 35F5 Series											
*A2.20.9.1. Purpose and description								A	B	-	-
*A2.20.9.2. Perform pre-use inspection								2b	-	-	-
*A2.20.9.3. Operate								2b	-	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.20.10. Hydraulic test stand TR: TO 33A2 Series											
*A2.20.10.1. Purpose and description								A	B	-	-
A2.20.10.2. Perform pre-use inspection								-	-	-	-
A2.20.10.3. Operate								-	-	-	-
A2.20.11. Air conditioning units TR: TO 35E9 Series											
*A2.20.11.1. Purpose and description								A	B	-	-
A2.20.11.2. Perform pre-use inspection								-	-	-	-
A2.20.11.3. Operate								-	-	-	-
A2.20.12. Gas turbine compressors TR: TO 35D12 Series											
*A2.20.12.1. Purpose and description								A	B	-	-
*A2.20.12.2. Perform pre-use inspection								2b	-	-	-
*A2.20.12.3. Operate								2b	-	-	-
A2.20.13. Tow vehicles TR: TO 36A10 Series											
*A2.20.13.1. Purpose and description								A	B	-	-
A2.20.13.2. Perform pre-use inspection								-	-	-	-
A2.20.13.3. Operate								-	-	-	-
A2.20.14. Liquid Nitrogen servicing equipment TR: TO 35D3 Series											
*A2.20.14.1. Purpose and description								A	B	-	-
*A2.20.14.2. Perform pre-use inspection								1b	-	-	-
*A2.20.14.3. Operate								1b	-	-	-
A2.20.15. Gaseous Nitrogen servicing equipment TR: TO 35D3 Series											
*A2.20.15.1. Purpose and description								A	B	-	-

AIRCRAFT MAINTENANCE FUNDAMENTAL TRAINING REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A2.20.15.2. Perform pre-use inspection								1b	-	-	-
*A2.20.15.3. Operate								1b	-	-	-
A2.20.16. Oil servicing carts TR: TO 37A12											
*A2.20.16.1. Purpose and description								A	B	-	-
A2.20.16.2. Perform pre-use inspection								-	-	-	-
A2.20.16.3. Operate								-	-	-	-
A2.20.17. Hydraulic servicing carts TR: TO 35D3 Series											
*A2.20.17.1. Purpose and description								A	B	-	-
A2.20.17.2. Perform pre-use inspection								-	-	-	-
A2.20.17.3. Operate								-	-	-	-
A2.20.18. Engine test equipment, Borescope TR: Aircraft, engine TOs								-	B	-	-
A2.20.19. Crash recovery equipment											
*A2.20.19.1. Purpose								A	B	-	-
A2.20.19.2. Maintenance								-	-	-	-
A2.20.19.3. Use								-	-	-	-

A-10 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
NOTE 1: This attachment is to be used in conjunction with the STS 2A3X3J, Attachment 2.											
NOTE 2: Items in column 2 (core tasks) marked with an R are optional for AFRC and ANG upgrade.											
NOTE 3: CDC requirements in all attachments for 5 and 7-levels must be accomplished for upgrade.											
NOTE 4: Items in column 1 marked with an asterisk (*) are task/knowledge that are trained in resident wartime courses.											
A3.1. AIRCRAFT GENERAL TR: TO 00-20-5; Applicable TOs											
A3.1.1. Phase inspection concept and inspections											
*A3.1.1.1. Phase inspection concept								A	-	-	-
A3.1.1.2. Perform inspections											
A3.1.1.2.1. Phase								-	-	-	-
*A3.1.1.2.2. Preflight	*							3c	-	-	-
*A3.1.1.2.3. Thruflight	*							3c	-	-	-
*A3.1.1.2.4. Basic Postflight	*							3c	-	-	-
*A3.1.1.2.5. Combined preflight/postflight	*							3c	-	-	-
A3.1.1.2.6. End of runway								-	-	-	-
A3.1.1.2.7. Special								-	-	-	-
A3.1.1.2.8. Gun bay								-	-	-	-
A3.1.1.2.9. Acceptance								-	-	-	-
A3.1.1.2.10. Calendar								-	-	-	-
A3.1.1.2.11. Time replacement item								-	-	-	-
*A3.1.1.3. Avionics system components operation								A	-	-	-
*A3.1.1.4. Weapons system components and operation								A	-	-	-
A3.1.1.5. Crash Damaged or Disabled Aircraft Recovery (CDDAR)											
A3.1.1.5.1. Air bags TR: TO 35D5-5-3-11											
A3.1.1.5.1.1. Pre-use inspection								-	-	-	-
A3.1.1.5.1.2. Use								-	-	-	-

A-10 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.1.1.5.2.	Wheel skates TR: TO 35D3-32-3-1											
A3.1.1.5.2.1.	Pre-use inspection								-	-	-	-
A3.1.1.5.2.2.	Use								-	-	-	-
A3.1.1.5.3.	Slings TR: TO 35D6-1-106											
A3.1.1.5.3.1.	Pre-use inspection								-	-	-	-
A3.1.1.5.3.2.	Use								-	-	-	-
A3.1.2.	Aircraft communications equipment TR: TO 1A-10A-2-23JG-2											
*A3.1.2.1.	Operate UHF	*							2b	-	-	-
*A3.1.2.2.	Use interphone	*							3c	-	-	-
A3.1.3.	Perform ground handling TR: AFI 11-218; AFOSH standard 127-100, TO 00-25-172											
*A3.1.3.1.	Launch aircraft	*							3c	-	-	-
*A3.1.3.2.	Recover aircraft	*							3c	-	-	-
*A3.1.3.3.	Marshall aircraft	*							a	-	-	-
A3.1.3.4.	Tow aircraft											
*A3.1.3.4.1.	Tow team member	*							3c	-	-	-
A3.1.3.4.2.	Tow team supervisor		*						-	-	-	-
A3.1.3.4.3.	Tow vehicle operator								-	-	-	-
*A3.1.3.5.	Moor aircraft								a	-	-	-
A3.1.3.6.	Jack and level aircraft											
*A3.1.3.6.1.	Jacking team member	*							3c	-	-	-
A3.1.3.6.2.	Jacking supervisor		*						-	-	-	-
*A3.1.3.6.3.	Axle jacking	*							3c	-	-	-
*A3.1.3.7.	Prepare aircraft for wash								a	-	-	-
*A3.1.3.8.	Perform post wash lubrication								3c	-	-	-
A3.1.4.	Assist in weight and balance								-	-	-	-

A-10 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
	TR: TO 1-1B-50											
*A3.1.5.	Safe aircraft for maintenance TR: TO 1A-10A-2-4JG-1	*							3c	-	-	-
A3.1.6.	Use A-10 Technical Orders											
*A3.1.6.1.	Job guides	*							3c	-	-	-
*A3.1.6.2.	Work Cards	*							3c	-	-	-
*A3.1.6.3.	Illustrated Parts Breakdown	*							3c	-	-	-
*A3.1.6.4.	General Description	*							3c	-	-	-
A3.1.6.5.	Maintenance Supplement		*						-	-	-	-
A3.1.6.6.	Troubleshooting Manual		*						-	-	c	B
A3.1.7.	Aircraft Forms											
*A3.1.7.1.	Document AFTO Form 781H	*							3c	-	-	-
*A3.1.7.2.	Document AFTO Form 781A	*							3c	-	-	-
*A3.1.7.3.	Document AFTO Form 781J	*							3c	-	-	-
*A3.1.7.4.	Document AFTO Form 781K	*							3c	-	-	-
*A3.1.7.5	Document other aircraft forms								2b	-	-	-
A3.1.8.	Use Core Automated Maintenance System/IMDS											
*A3.1.8.1.	Create job	*							2b	-	-	-
*A3.1.8.2.	Clear job	*							2b	-	-	-
*A3.1.8.3.	Schedule job	*							2b	-	-	-
*A3.1.8.4.	Defer job	*							2b	-	-	-
A3.1.8.5.	Automated forms								-	-	-	-
A3.1.8.6.	Complete Course J6AZR00066 058	*R							-	-	-	-
A3.1.8.7.	Complete Course J6AZR00066 062		*R						-	-	-	-
A3.2.	AIRFRAME SYSTEMS TR: Applicable -2 TOs											
*A3.2.1.	Airframe components and construction								A	B	-	-

A-10 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.2.2.	Remove/install, open/close airframe components											
*A3.2.2.1.	Stress/access panels/doors	*							3c	-	-	-
A3.2.2.2.	Variable ballast								-	-	-	-
A3.2.2.3.	Fixed ballast								-	-	-	-
*A3.2.2.4.	Outer nacelle doors	*							2b	-	-	-
*A3.2.2.5.	Inner shrouds	*							2b	-	-	-
A3.2.2.6.	Windscreen											
*A3.2.2.6.1.	Raise and lower	*							2b	-	-	-
A3.2.2.6.2.	Remove and install								-	-	-	-
A3.2.2.6.3.	Breakdown and buildup								-	-	-	-
*A3.2.2.7.	Cargo pods	*							2b	-	-	-
A3.3.	LANDING GEAR SYSTEMS TR: Applicable -2 TOs											
*A3.3.1.	Landing gear system components and operation								A	B	-	-
A3.3.2.	Operate											
*A3.3.2.1.	Landing gear								1b	-	-	-
*A3.3.2.2.	Brakes								1b	-	-	-
A3.3.2.3.	Steering system								-	-	-	-
A3.3.2.4.	Anti-skid system								-	-	-	-
A3.3.2.5.	Auxiliary extension system								-	-	-	-
*A3.3.2.6.	Emergency brake system	*							2b	-	-	-
A3.3.3.	Landing gear struts											
A3.3.3.1.	Initial servicing								-	-	-	-
*A3.3.3.2.	Routine servicing	*							3c	-	-	-
*A3.3.4.	Service tires	*							3c	-	-	-
A3.3.5.	Lubricate landing gear components								-	-	-	-

A-10 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.3.6.	Remove and install landing gear components											
*A3.3.6.1.	Nose wheel and tire assembly	*							3c	-	-	-
*A3.3.6.2.	Main wheel and tire assembly	*							3c	-	-	-
*A3.3.6.3.	Brake assembly	*							2b	-	-	-
*A3.3.6.4.	Bleed brakes	*							1b	-	-	-
A3.3.6.5.	NLG strut								-	-	-	-
A3.3.6.6.	NLG actuator								-	-	-	-
A3.3.6.7.	MLG strut								-	-	-	-
A3.3.6.8.	MLG actuator								-	-	-	-
A3.3.6.9.	Emergency selector valve								-	-	-	-
*A3.3.7.	Determine serviceability of aircraft tires TR: 4T-1-3	*							3c	-	-	-
A3.3.8.	Wheel and tire assembly build-up and tear-down								-	-	-	-
A3.3.9.	Repack landing gear struts								-	-	-	-
A3.3.10.	Troubleshoot landing gear systems								-	-	c	B
A3.4.	UTILITY SYSTEMS TR: Applicable -2 TOs											
*A3.4.1.	Utility system components and operation								A	B	-	-
A3.4.2.	Oxygen system TR: TO 00-25-172											
*A3.4.2.1.	Service	*							3c	-	-	-
A3.4.2.2.	Purge								-	-	-	-
*A3.4.3.	Remove/install LOX converter	*							3c	-	-	-
A3.5.	FLIGHT CONTROL SYSTEM TR: Applicable -2 TOs											
*A3.5.1.	Flight control system components and operation TR: Applicable -2 Tos								A	B	-	-
A3.5.2.	Operate flight controls											

A-10 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.5.2.1.	Normal								-	-	-	-
A3.5.2.2.	Manual reversion								-	-	-	-
A3.5.3.	Remove/install											
A3.5.3.1.	Rudders								-	-	-	-
A3.5.3.2.	Elevators								-	-	-	-
A3.5.3.3.	Decelerons								-	-	-	-
A3.5.3.4.	Slats								-	-	-	-
A3.5.3.5.	Flaps								-	-	-	-
A3.5.3.6.	Flight control disconnector								-	-	-	-
A3.5.3.7.	Flight control bell crank assembly								-	-	-	-
A3.5.3.8.	Flight control cables								-	-	-	-
A3.5.4.	Inspect flight control system and components TR: TO 1A-10A-6											
A3.5.4.1.	Flight control bell crank assembly TR: -27 Series TOs								-	-	-	-
A3.5.4.2.	Flight control cables TR: -27 Series TOs								-	-	-	-
A3.5.5.	Lubricate											
A3.5.5.1.	Flight controls								-	-	-	-
A3.5.5.2.	Flight control disconnector								-	-	-	-
A3.5.6.	Rig flight control systems											
A3.5.6.1.	Primary								-	-	-	-
A3.5.6.2.	Secondary								-	-	-	-
A3.5.7.	Troubleshoot flight control systems											
A3.5.7.1.	Primary								-	-	c	B
A3.5.7.2.	Secondary								-	-	c	B
A3.6.	HYDRAULIC SYSTEM TR: Applicable -2 TOs											
*A3.6.1.	Hydraulic system								A	B	-	-

A-10 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
	components and operation TR: Applicable -2 TOs											
*A3.6.2.	Service											
*A3.6.2.1.	Accumulators	*							3c	-	-	-
*A3.6.2.2.	Reservoir	*							3c	-	-	-
A3.6.3.	Bleed								-	-	-	-
*A3.6.4.	Drain hydraulic reservoir								2b	-	-	-
A3.6.5.	Flush								-	-	-	-
A3.6.6.	Remove/install											
*A3.6.6.1.	Actuators								2b	-	-	-
*A3.6.6.2.	Accumulators								a	-	-	-
*A3.6.6.3.	Lines								2b	-	-	-
*A3.6.6.4.	Filters								a	-	-	-
A3.6.7.	Troubleshoot hydraulic system								-	-	c	B
A3.7.	ENGINE SYSTEM TR: Applicable -2 TOs											
*A3.7.1.	Engine system components and operation								A	B	-	-
A3.7.2.	Remove/install											
A3.7.2.1.	Starter								-	-	-	-
A3.7.2.2.	Starter control valve								-	-	-	-
A3.7.2.3.	Fuel pump								-	-	-	-
A3.7.2.4.	Fuel control								-	-	-	-
A3.7.2.3.	IDG								-	-	-	-
A3.7.2.4.	Fan blades								-	-	-	-
A3.7.2.5.	Hydraulic pump								-	-	-	-
A3.7.2.6.	Engine								-	-	-	-
A3.7.2.7.	Throttle quadrants								-	-	-	-
A3.7.2.8.	Throttle cables								-	-	-	-

A-10 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.7.2.9.	Spinner domes								-	-	-	-
A3.7.2.10.	Expansion ring								-	-	-	-
A3.7.2.11.	Aft shroud								-	-	-	-
A3.7.2.12.	Fuel flow transmitter								-	-	-	-
A3.7.2.13.	Oil pressure transmitter								-	-	-	-
A3.7.2.14.	Tachometer generator								-	-	-	-
A3.7.2.15.	Oil pressure switch								-	-	-	-
A3.7.2.16.	Other components								-	-	-	-
A3.7.3.	Perform 100 hour engine inspection TR: TO 1A-10A-6								-	-	-	-
A3.7.4.	Rig engine components								-	-	-	-
*A3.7.5.	Take oil sample TR: T.O.s 42B2-1-9, 33-1-37	*							3c	-	-	-
A3.7.6.	Service											
*A3.7.6.1.	Oil system	*							3c	-	-	-
*A3.7.6.2.	Integrated Drive Generator (IDG)	*							2b	-	-	-
A3.7.7.	Drain											
A3.7.7.1.	Oil system								-	-	-	-
A3.7.7.2.	IDG								-	-	-	-
A3.7.8.	Engine water wash								-	-	-	-
A3.7.9.	Borescope equipment								-	-	-	-
A3.7.10.	Troubleshoot engine system								-	-	c	B
A3.7.11.	Turbine engine monitoring system (TEMS)											
*A3.7.11.1.	Components and operation								A	-	-	-
A3.7.11.2.	Remove/install components								-	-	-	-
A3.7.11.3.	Troubleshoot TEMS								-	-	-	-
A3.7.12.	Trim engines								-	-	-	-

A-10 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.7.13.	Use vibration analyzer								-	-	-	-
*A3.7.14.	Auxiliary Power Unit (APU) components and operation								A	-	-	-
*A3.7.14.1.	Service APU	*							3c	-	-	-
A3.7.14.2	Remove/install											
A3.7.14.2.1.	APU								-	-	-	-
A3.7.14.2.2.	Generator								-	-	-	-
A3.7.14.2.3.	Fuel control								-	-	-	-
A3.7.14.2.4.	Hydraulic pump								-	-	-	-
A3.7.14.2.5.	APU control box								-	-	-	-
A3.7.14.2.6.	Starter								-	-	-	-
A3.7.14.2.7.	Filters								-	-	-	-
A3.7.14.2.8.	Other components								-	-	-	-
A3.7.15.	Troubleshoot APU								-	-	c	B
A3.8.	FUEL SYSTEM TR: Applicable -2 TO 00-25-172: Applicable AFOSH Standards											
A3.8.1.	Fuel system components and operation											
*A3.8.1.1.	Internal								A	B	-	-
*A3.8.1.2.	External								A	B	-	-
*A3.8.2.	Refuel aircraft	*							3c	-	-	-
A3.8.3.	Defuel aircraft											
*A3.8.3.1.	Team member	*							1b	-	-	-
A3.8.3.2.	Team supervisor		*						-	-	-	-
*A3.8.4.	Remove/install external fuel tanks								2b	-	-	-
A3.8.5.	Leak and transfer check								-	-	-	-
A3.8.6.	Universal Aerial Refueling Receptacle Slipway Installation (UARRSI)											

A-10 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A3.8.6.1.	UARRSI system components and operation								A	-	-	-
A3.8.6.2.	Inspect system components								-	-	-	-
A3.9.	ELECTRICAL SYSTEM TR: Applicable -2 TOs											
*A3.9.1.	Electrical system components and operation								A	B	-	-
A3.9.2.	Operate lighting system											
*A3.9.2.1.	Internal								3c	-	-	-
*A3.9.2.2.	External								3c	-	-	-
A3.9.3.	Remove/install											
*A3.9.3.1.	Light lenses	*							3c	-	-	-
*A3.9.3.2.	Light bulbs	*							3c	-	-	-
*A3.9.3.3.	Battery	*							3c	-	-	-
A3.9.4.	Use wiring diagrams								-	-	-	-
A3.9.5.	Inspect TR: TOs 1-1A-14; 1A-10A-2-24											
A3.9.5.1.	Components								-	-	-	-
A3.9.5.2.	Wiring connectors								-	-	-	-
*A3.9.6.	Connect/apply/disconnect external electrical power	*							3c	-	-	-
A3.10.	EGRESS SYSTEM TR: Applicable -2 TOs											
*A3.10.1.	Egress system components and operation								A	-	-	-
A3.10.	EGRESS SYSTEM											
A3.10.2.	Operate canopy system											
*A3.10.2.1.	Normal	*							3c	-	-	-
*A3.10.2.2.	Manual	*							3c	-	-	-
*A3.10.2.3.	Seat adjustment								3c	-	-	-

A-10 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.10.3.	Canopy											
A3.10.3.1.	Remove/install								-	-	-	-
A3.10.3.2.	Rig								-	-	-	-
*A3.10.4.	Remove/install safety pins	*							3c	-	-	-
*A3.10.5.	Perform cockpit entry procedures	*							3c	-	-	-
A3.11.	AEROSPACE GROUND EQUIPMENT TR: See Applicable TOs											
A3.11.1.	Engine stands and dollies											
A3.11.1.1.	Pre-use inspection								-	-	-	-
A3.11.1.2.	Use								-	-	-	-
A3.11.2.	Liquid oxygen servicing equipment TR: TOs 15X-1-1, 37C2-8											
*A3.11.2.1.	Pre-use inspection	*							3c	-	-	-
*A3.11.2.2.	Use	*							3c	-	-	-
A3.11.3.	Hydraulic test stand TR: TO 33A2 series											
*A3.11.3.1.	Pre-use inspection	*							3c	-	-	-
*A3.11.3.2.	Use	*							3c	-	-	-
A3.11.4.	Nitrogen servicing equipment TR: TO 35D3 series											
*A3.11.4.1.	Pre-use inspection	*							3c	-	-	-
*A3.11.4.2.	Use	*							3c	-	-	-
A3.11.5.	Oil servicing carts TR: TO 35A17 series											
*A3.11.5.1.	Pre-use inspection	*							2b	-	-	-
*A3.11.5.2.	Use	*							2b	-	-	-
A3.11.6.	Hydraulic servicing carts TR: TO 35D29 series											
*A3.11.6.1.	Pre-use inspection	*							3c	-	-	-

A-10 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A3.11.6.2.	Use	*							3c	-	-	-
A3.11.7.	Generator set A/M32A-86 TR: TO 35C2 series											
*A3.11.7.1.	Pre-use inspection	*							3c	-	-	-
*A3.11.7.2.	Use	*							3c	-	-	-
A3.11.8.	Generator set A/M32A-60 TR: TO 35C2 series											
A3.11.8.1.	Pre-use inspection								-	-	-	-
A3.11.8.2	Use								-	-	-	-
A3.11.9.	External air cart A/M32A-95 TR: TO 35C2 series											
A3.11.9.1.	Pre-use inspection								-	-	-	-
A3.11.9.2	Use								-	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
NOTE 1: This attachment is to be used in conjunction with the STS 2A3X3J, Attachment 2.												
NOTE 2: Items in column 2 (core tasks) marked with an R are optional for AFRC and ANG upgrade.												
NOTE 3: CDC requirements in all attachments for 5 and 7-levels must be accomplished for upgrade.												
NOTE 4: Items in column 1 marked with an asterisk (*) are task/knowledge that are trained in resident wartime courses.												
A4.1.	AIRCRAFT GENERAL											
A4.1.1.	Phase inspection concept and inspections TR: TO. 00-20-5; TM U-2S-6WC-1PE; U-2S-6WC-2PE; U-2S-6WC-1PRPO											
*A4.1.1.1.	Periodic inspection concept								A	B	-	-
A4.1.1.2.	Perform inspections											
A4.1.1.2.1.	Periodic								-	-	-	-
*A4.1.1.2.2.	Preflight	*							3c	-	-	-
*A4.1.1.2.3.	Thruflight	*							3c	-	-	-
A4.1.1.2.4.	Pogo runway											
A4.1.1.2.4.1.	Team supervisor.								-	-	-	-
*A4.1.1.2.4.2.	Team member								3c	-	-	-
*A4.1.1.2.5.	Basic Postflight	*							3c	-	-	-
*A4.1.1.2.6.	Hourly Postflight								b	-	-	-
A4.1.1.2.7.	Special								-	-	-	-
A4.1.1.2.8.	Acceptance								-	-	-	-
A4.1.1.2.9.	Calendar								-	-	-	-
A4.1.2.	Aircraft communications TR: AFOSH 91-100; TO 00-25-172; TM U-2S-2-10 Vol. 1											
A4.1.2.1.	Operate U-2S UHF radio								-	-	-	-
A4.1.2.2.	Operate U-2ST UHF radio								-	-	-	-
*A4.1.2.3.	Use U-2S interphone								2b	-	-	-
*A4.1.2.4.	Use U-2ST interphone								2b	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.1.3.	Perform ground handling TR: AFI 11-218; AFOSH Standard 91-100, TO 00-25-172, TM U-2S-2-1											
*A4.1.3.1.	Launch aircraft	*							3c	-	-	-
*A4.1.3.2.	Park aircraft	*							3c	-	-	-
A4.1.3.3.	Tow aircraft											
*A4.1.3.3.1.	Tow team member								2b	-	-	-
A4.1.3.3.2.	Tow vehicle operator								-	-	-	-
A4.1.3.3.3.	Tow team supervisor		*						-	-	-	-
*A4.1.3.4.	Moor aircraft								2b	-	-	-
A4.1.3.5.	Level aircraft								-	-	-	-
*A4.1.3.6.	Jack aircraft								2b	-	-	-
A4.1.3.7.	Cart aircraft											
A4.1.3.7.1.	Cart equipment and procedures								-	-	-	-
*A4.1.3.7.2.	RG130 cart team member	*							a	-	-	-
A4.1.3.7.3.	RG130 cart team supervisor		*						-	-	-	-
A4.1.3.8.	Upload/Download ballast											
A4.1.3.8. 1.	RG1124 ballast								-	-	-	-
A4.1.3.8. 2.	RG1125 ballast								-	-	-	-
*A4.1.3.8. 3.	RG105 Q-Bay ballast								2b	-	-	-
*A4.1.3.9.	Safe aircraft for maintenance	*							3c	-	-	-
A4.1.3.10.	U-2 technical manuals								-	B	-	B
*A4.1.3.10.1.	Use U-2 technical manuals	*							2b	-	-	-
A4.1.3.11.	Wash aircraft								-	-	-	-
A4.1.3.12.	Lubricate aircraft								-	-	-	-
A4.1.4.	Use CAMS/IMDS											
*A4.1.4.1.	Create job	*							2b	-	-	-
*A4.1.4.2.	Clear job	*							2b	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A4.1.4.3.	Schedule job	*							2b	-	-	-
*A4.1.4.4.	Defer job	*							2b	-	-	-
A4.1.4.5.	Use automated forms								-	-	-	-
A4.1.4.6.	Complete J6AZR00066 058	*R							-	-	-	-
A4.1.4.7.	Complete J6AZR00066 062		*R						-	-	-	-
A4.1.5.	Debrief aircrew								-	-	-	-
A4.1.6.	Aircraft weight and balance TR: TO 1-1B-40, 1-1B-50; TM: U-2S-5 and U-2ST-5											
A4.1.6.1.	Computing weight and balance								-	B	-	-
A4.1.6.2.	Compute automated weight and balance	*							-	-	-	-
A4.1.6.3.	Compute manual weight and balance	*							-	-	-	-
A4.1.6.4.	Verify weight and balance		*						-	-	-	-
A4.1.7.	Document aircraft forms TR: TO 00-20-5, 00-20-2; AFI 21-101											
*A4.1.7.1.	AFTO Form 781H	*							2b	-	-	-
*A4.1.7.2.	AFTO Form 781A	*							2b	-	-	-
*A4.1.7.3.	AFTO Form 781J	*							2b	-	-	-
*A4.1.7.4.	AFTO Form 781K	*							2b	-	-	-
A4.1.7.5.	AFTO Form 781C		*						-	-	-	-
*A4.1.7.6.	DD Form 2026 (JOAP)	*							2b	-	-	-
A4.2.	AIRFRAME SYSTEMS TR: TM U-2S-2-2											
*A4.2.1.	Airframe components and construction								A	B	-	-
A4.2.2.	Cadmium precautions								-	B	-	-
A4.2.3.	Remove and install											
*A4.2.3.1.	Ground safety devices	*							3c	-	-	-
*A4.2.3.2	Nose (RX69-10)								2b	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.2.3.3.	Doors								-	-	-	-
*A4.2.3.4	Upper Q-Bay hatch (U-2S)								2b	-	-	-
*A4.2.3.5.	Lower Q-Bay hatch (U-2S/ U-2ST)								2b	-	-	-
*A4.2.3.6	Upper E-Bay hatch (U-2S)								2b	-	-	-
A4.2.3.7.	Upper E-Bay hatch (U-2ST)								-	-	-	-
*A4.2.3.8.	Lower E-Bay hatch (U-2S/ U-2ST)								2b	-	-	-
A4.2.3.9.	Aft cavity hatch								-	-	-	-
A4.2.3.10.	Superpod hatch								-	-	-	-
*A4.2.3.11.	Access panels		*						2b	-	-	-
A4.2.3.12.	Fairings											
A4.2.3.12.1.	Aft cockpit (U-2ST)								-	-	-	-
A4.2.3.12.2	Forward dorsal housing								-	-	-	-
A4.2.3.12.3.	Fore and aft superpod								-	-	-	-
A4.2.3.12.4.	Filet (wing root)								-	-	-	-
A4.2.3.13.	Superpod forebody								-	-	-	-
A4.2.3.14.	Superpod centerbody								-	-	-	-
A4.2.3.15.	Superpod aftbody								-	-	-	-
A4.2.3.16.	Aft section								-	-	-	-
A4.2.3.17	Remove and install flight control, landing gear, and throttle system general TR: Applicable –2 series TM											
A4.2.3.17.1.	Control rods (torque tubes/ push pull rods)								-	-	-	-
A4.2.3.17.2.	Bellcranks/sectors								-	-	-	-
A4.2.3.17.3.	Pulley assemblies								-	-	-	-
A4.2.3.17.4.	Fairleads/pressure seals								-	-	-	-
A4.2.3.17.5.	Control cables								-	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.2.4	Open and close											
A4.2.4.1.	E-Bay hatch/doors								-	-	-	-
A4.2.4.2.	Wingfold								-	-	-	-
A4.2.4.3.	Fairings								-	-	-	-
A4.2.4.4.	Canopy (U-2S/U-2ST)								-	-	-	-
A4.2.4.5.	Forward dorsal housing								-	-	-	-
A4.2.5.	Inspect airframe and components TR: TM U-2S-6WC-1PRPO, U-2S-2-2, U-2S-2-3, U-2S-2-4								-	-	-	-
A4.2.6.	Perform aircraft inclement weather procedures TR: TM U-2S-2-1								-	-	-	-
A4.2.7.	Supply procedures TR: AFI 21-101 (Ch 3), AFI 23-110, LSP 400-1											
A4.2.7.1.	Interpret aircraft blueprints								2b	B	-	-
A4.2.7.2.	Interpret aperature cards								2b	B	-	-
A4.2.7.3.	Interpret SPAADL								-	B	-	-
A4.2.7.4.	Interpret factory manuals								-	B	-	-
A4.2.8.	Windscreen and canopy systems TR: TM U-2S-2-2, U-2ST-2											
A4.2.8.1.	Determine damage limitations on transparent panels								-	-	-	-
A4.2.8.2.	Rig/adjust canopy hinge release mechanism								-	-	-	-
A4.2.8.3.	Rig/adjust canopy latch release mechanism								-	-	-	-
A4.2.8.4.	Rig/adjust canopy jettison pivot release mechanism								-	-	-	-
A4.2.8.5.	Remove/install U-2S windscreen assembly								-	-	-	-
A4.2.8.6.	Remove/install U-2ST aft windscreen assembly								-	-	-	-
A4.2.8.7.	Remove/install windscreen transparent panels								-	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.2.8.8.	Remove/install canopy								-	-	-	-
A4.3.	LANDING GEAR SYSTEMS TR: TM U-2S-2-1, U-2S-2-3, RL 114, MM 1567											
*A4.3.1.	Landing gear components and system operation								A	B	-	-
A4.3.2.	Operate landing gear											
A4.3.2.1.	Position A (Ground)								-	-	-	-
A4.3.2.2.	Position B (Cockpit)								-	-	-	-
A4.3.2.3.	Normal extension system								-	-	-	-
A4.3.2.4.	Perform normal landing gear operational check								-	-	-	-
A4.3.2.5.	Perform emergency manual landing gear operational check								-	-	-	-
A4.3.2.6.	Perform tail landing gear steering operational check								-	-	-	-
A4.3.3.	Service											
A4.3.3.1.	Landing gear struts	*							-	-	-	-
*A4.3.3.2.	Tires TR: U-2S-2-1	*							2b	-	-	-
A4.3.4.	Lubricate landing gear											
A4.3.4.1.	Main landing gear								-	-	-	-
A4.3.4.2.	Tail landing gear								-	-	-	-
A4.3.4.3.	Pogos								-	-	-	-
A4.3.5.	Remove and install											
A4.3.5.1.	Wheel and tire assemblies											
*A4.3.5.1.1.	Main landing gear	*							2b	-	-	-
*A4.3.5.1.2.	Tail landing gear	*							2b	-	-	-
A4.3.5.2.	Main landing gear shock strut								-	-	-	-
A4.3.5.3.	Main landing gear doors								-	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.3.5.4. Main landing gear drag strut								-	-	-	-
A4.3.5.5. Main landing gear uplock assembly								-	-	-	-
A4.3.5.6. Tail landing gear shock strut								-	-	-	-
A4.3.5.7. Tail landing gear doors								-	-	-	-
A4.3.5.8. Tail landing gear actuator								-	-	-	-
A4.3.5.9. Tail landing gear drag rod and retracting crank								-	-	-	-
A4.3.5.10. Tail landing gear axle								-	-	-	-
A4.3.5.11 Brake assemblies	*							-	-	-	-
*A4.3.5.12. Pogos								3c	-	-	-
A4.3.5.13. Wing tip skid pad								-	-	-	-
A4.3.6. Bleed brake system								-	-	-	-
*A4.3.7. Serviceability of aircraft tires TR: TO 4T-1-3; TM U-2S-3								A	-	-	-
A4.3.8. Inspect landing gear system TR: TM U-2S-2-3, U-2S-3											
A4.3.8.1 Hard landing inspection								-	-	-	-
A4.3.8.2. Main and tail gear inspection								-	-	-	-
A4.3.9. Repack main landing gear strut								-	-	-	-
A4.3.10. Rig and adjust											
A4.3.10.1. Main landing gear actuator								-	-	-	-
A4.3.10.2. Tail landing gear actuator								-	-	-	-
A4.3.10.3. Emergency/Manual landing gear release system								-	-	-	-
A4.3.10.4. Main landing gear doors								-	-	-	-
A4.3.10.5. Tail landing gear steering system								-	-	-	-
A4.3.10.6. Tail landing gear doors								-	-	-	-
A4.3.11. Landing gear troubleshooting								-	-	-	B
A4.4. UTILITY SYSTEMS											

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
	TR: U-2S-2-6, U-2S-2-4, U-2ST-2											
*A4.4.1.	Utility components and system operation								A	B	-	-
A4.4.2.	Operate											
A4.4.2.1.	Bleed air system								-	-	-	-
A4.4.2.2.	Air conditioning system								-	-	-	-
A4.4.2.3.	Canopy and hatch seal system								-	-	-	-
A4.4.2.4.	Defog system								-	-	-	-
A4.4.2.5.	Fire/overheat warning system								-	-	-	-
A4.4.2.6.	Oxygen system								-	-	-	-
A4.4.3.	Inspect											
A4.4.3.1.	Bleed air system								-	-	-	-
A4.4.3.2.	Air conditioning system								-	-	-	-
A4.4.3.3.	Canopy and hatch seal system								-	-	-	-
A4.4.3.4.	Defog system								-	-	-	-
A4.4.3.5.	Fire/overheat warning system								-	-	-	-
A4.4.3.6.	Oxygen system								-	-	-	-
A4.4.3.7.	Nitrogen system								-	-	-	-
A4.4.3.8.	Pressurization system								-	-	-	-
A4.4.4.	Troubleshoot											
A4.4.4.1.	Bleed air system								-	-	-	-
A4.4.4.2.	Air conditioning system								-	-	-	-
A4.4.4.3.	Canopy hatch and seal system								-	-	-	-
A4.4.4.4.	Defog system								-	-	-	-
A4.4.4.5.	Fire/overheat warning system								-	-	-	-
A4.4.4.6.	Oxygen system								-	-	-	-
A4.4.4.7.	Nitrogen system								-	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.4.4.8.	Pressurization system								-	-	-	-
A4.4.5.	Oxygen system TR: TO 00-25-172; 15X-1-1; TM U-2S-2-6											
*A4.4.5.1.	Service LOX	*							2b	-	-	-
A4.4.5.2.	Drain LOX	*							-	-	-	-
A4.4.6.	Nitrogen system TR: TO 00-25-172; TM U-2S-2-6											
*A4.4.6.1.	Service canopy/ hatch seal system	*							2b	-	-	-
A4.4.6.2.	Operate canopy and hatch handles	*							-	-	-	-
A4.5.	FLIGHT CONTROL SYSTEM TR: U-2S-2-2, U-2ST-2											
*A4.5.1.	Flight control components and system operation								A	B	-	-
A4.5.2.	Perform operational checks											
A4.5.2.1.	Primary flight controls											
A4.5.2.1.1.	Rudder control system								-	-	-	-
A4.5.2.1.2.	Elevator control system								-	-	-	-
A4.5.2.1.3.	Aileron control system								-	-	-	-
A4.5.2.2.	Secondary flight controls											
A4.5.2.2.1.	Horizontal stabilizer control system								-	-	-	-
A4.5.2.2.2.	Speed brake control system								-	-	-	-
A4.5.2.2.3.	Wing flap control system								-	-	-	-
A4.5.2.2.4.	Roll spoiler control system								-	-	-	-
A4.5.2.2.5.	Lift spoiler control system								-	-	-	-
A4.5.2.2.6.	Emergency lift spoiler system								-	-	-	-
A4.5.2.2.7.	Stall strip system								-	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.5.3.	Remove and install components											
A4.5.3.1.	Primary flight controls											
A4.5.3.1.1.	Rudder control surface								-	-	-	-
A4.5.3.1.2.	Elevator control surface								-	-	-	-
A4.5.3.1.3.	Elevator control servo tab								-	-	-	-
A4.5.3.1.4.	Aileron control surface								-	-	-	-
A4.5.3.1.5.	Aileron control tab								-	-	-	-
A4.5.3.1.6.	Aileron shifter actuator								-	-	-	-
A4.5.3.1.7.	Aileron trim tab actuator								-	-	-	-
A4.5.3.2.	Secondary flight controls											
A4.5.3.2.1.	Speed brake surface								-	-	-	-
A4.5.3.2.2.	Wing flap control surface								-	-	-	-
A4.5.3.2.3.	Wing flap jack screw actuator								-	-	-	-
A4.5.3.2.4.	Wing flap drive gear box								-	-	-	-
A4.5.3.2.5.	Wing flap synchronizer shaft								-	-	-	-
A4.5.3.2.6.	Fixed flap surface								-	-	-	-
A4.5.3.2.7.	Roll spoiler control surface								-	-	-	-
A4.5.3.2.8.	Roll spoiler actuators								-	-	-	-
A4.5.3.2.9.	Lift spoiler surface								-	-	-	-
A4.5.3.2.10.	Lift spoiler actuators								-	-	-	-
A4.5.3.2.11.	Speed brake actuators								-	-	-	-
A4.5.3.2.12.	Horizontal stabilizer trim actuator								-	-	-	-
A4.5.3.2.13.	Stall strip blade assembly								-	-	-	-
A4.5.3.2.14.	Stall strip control handle								-	-	-	-
A4.5.3.2.15.	Emergency lift spoiler hydraulic pump								-	-	-	-
A4.5.4.	Rig and adjust											
A4.5.4.1.	Primary flight controls											

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.5.4.1.1.	U-2S rudder system								-	-	-	-
A4.5.4.1.2.	U-2ST rudder system								-	-	-	-
A4.5.4.1.3.	U-2S elevator system								-	-	-	-
A4.5.4.1.4.	U-2ST elevator system								-	-	-	-
A4.5.4.1.5.	U-2S aileron system								-	-	-	-
A4.5.4.1.6.	U-2ST aileron system								-	-	-	-
A4.5.4.2.	Secondary flight controls											
A4.5.4.2.1.	Speed brakes								-	-	-	-
A4.5.4.2.2.	Wing flap control system								-	-	-	-
A4.5.4.2.3.	Roll spoilers								-	-	-	-
A4.5.4.2.4.	Lift spoilers								-	-	-	-
A4.5.4.2.5.	Horizontal stabilizer trim actuator end play								-	-	-	-
A4.5.4.2.6.	U-2S stall strip system								-	-	-	-
A4.5.4.2.7.	U-2ST stall strip system								-	-	-	-
A4.5.5.	Inspect flight controls								-	-	-	-
A4.5.6.	Lubricate flight controls								-	-	-	-
A4.5.7.	Assemble/Disassemble lube stall strip blade assembly								-	-	-	-
A4.5.8.	Connect/Disconnect flap control surface								-	-	-	-
A4.5.9.	Troubleshooting								-	-	-	B
A4.6.	HYDRAULIC SYSTEMS TR: TM U-2S-2-1; U-2S-2-3											
*A4.6.1.	Hydraulic components and system operation								A	B	-	-
A4.6.2.	Service											
*A4.6.2.1.	Reservoir	*							2b	-	-	-
*A4.6.2.2.	Accumulators	*							2b	-	-	-
*A4.6.3.	Inspect major components TR: TM U-2S-6WC-1PRPO								2b	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.6.4.	Operate system with											
A4.6.4.1.	AMAD								-	-	-	-
A4.6.4.2.	Hydraulic test stand	*							-	-	-	-
A4.6.4.3.	Engine run								-	-	-	-
A4.6.5.	Fill and bleed hydraulic system	*							-	-	-	-
A4.6.6.	Remove and install hydraulic components											
A4.6.6.1.	Actuators								-	-	-	-
A4.6.6.2.	Accumulators								-	-	-	-
A4.6.6.3.	Lines								-	-	-	-
A4.6.6.4.	Filters (pressure and return)								-	-	-	-
A4.6.6.5.	Remove/install control/selector valves											
A4.6.6.5.1.	Landing gear selector valve								-	-	-	-
A4.6.6.5.2.	Flap control valve								-	-	-	-
A4.6.6.5.3.	Flap gust control valve								-	-	-	-
A4.6.6.5.4.	Right roll spoiler selector valve								-	-	-	-
A4.6.6.5.5.	Left roll spoiler selector valve								-	-	-	-
A4.6.6.5.6.	Lift spoiler selector valve								-	-	-	-
A4.6.6.5.7.	Emergency lift spoiler control valve								-	-	-	-
A4.6.6.5.8.	Stabilizer trim selector valve								-	-	-	-
A4.6.6.5.9.	Speed brake selector valve								-	-	-	-
A4.6.6.5.10.	Power brake control valve								-	-	-	-
A4.6.6.6.	Remove/install hydraulic motors											
A4.6.6.6.1.	Standby AC generator								-	-	-	-
A4.6.6.6.2.	Flap								-	-	-	-
A4.6.6.6.3.	Emergency lift spoiler								-	-	-	-
A4.6.6.6.4.	Stabilizer trim								-	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.6.6.7.	Remove/install hydraulic/oil cooler								-	-	-	-
A4.6.7.	Fill and bleed											
A4.6.7.1.	Hydraulic pump								-	-	-	-
A4.6.7.2.	Lift/roll spoiler actuators								-	-	-	-
A4.6.7.3.	Speed brake actuators								-	-	-	-
A4.6.7.4.	Stabilizer trim actuators								-	-	-	-
A4.6.7.5.	Flap control system								-	-	-	-
A4.6.7.6.	Emergency lift spoiler auxiliary pump								-	-	-	-
A4.6.8.	Troubleshooting								-	-	-	B
A4.7.	ENGINES TR: TM U-2S-2-4; U-2ST-2; AFOSH Std 91-100											
*A4.7.1.	Engine components and system operation								A	B	-	-
A4.7.2.	Perform engine operational check								-	-	-	-
A4.7.3.	Operate engine and subsystems								-	-	-	-
A4.7.4.	Service											
A4.7.4.1.	Oil system	*							-	-	-	-
*A4.7.4.2.	AMAD	*							2b	-	-	-
A4.7.5.	Drain											
A4.7.5.1.	Oil system	*							-	-	-	-
A4.7.5.2.	AMAD	*							-	-	-	-
A4.7.6.	Remove and install											
A4.7.6.1.	AMAD								-	-	-	-
A4.7.6.2.	AMAD hydraulic pump								-	-	-	-
A4.7.6.3.	AMAD starter								-	-	-	-
A4.7.6.4.	AMAD oil cooler								-	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.7.6.5.	AMAD magnetic chip detector								-	-	-	-
*A4.7.6.6.	Engine								a	-	-	-
A4.7.6.7.	Engine oil cooler								-	-	-	-
*A4.7.7.	Joint Oil Analysis Program (JOAP)								A	-	-	-
*A4.7.8.	Take engine JOAP sample TR: TOs 42B2-1-9, 33-1-37	*							3c	-	-	-
A4.7.9.	Use borescope equipment								-	-	-	-
A4.7.10.	Inspect engine and components TR: TM U-2S-6											
A4.7.10.1.	Inlet cooling doors								-	-	-	-
A4.7.10.2.	Inlet adapter								-	-	-	-
A4.7.10.3.	Inlet Guide Vanes (IGVs)								-	-	-	-
A4.7.10.4.	1st stage compressor stator/ rotor blades								-	-	-	-
A4.7.10.5.	Fan discharge temperature sensor								-	-	-	-
A4.7.10.6.	Main engine control								-	-	-	-
A4.7.10.7.	AC/Tachometer generator								-	-	-	-
A4.7.10.8.	Magnetic chip detector								-	-	-	-
A4.7.10.9.	Accessory gearbox								-	-	-	-
A4.7.11.	Blend compressor blades								-	-	-	-
A4.7.12.	Evaluate engine oil leakage								-	-	-	-
A4.7.13.	Engine bay and aft inspection TR: U-2S–6WC-1EB								-	-	-	-
A4.7.14.	Engine monitoring system											
A4.7.14.1.	Inspect N2 gauge data								-	-	-	-
A4.7.14.2.	Inspect EGT gauge data								-	-	-	-
A4.7.15.	Inspect AMAD and components								-	-	-	-
A4.7.16.	AMAD couple/decouple procedures											
A4.7.16.1.	Perform coupling procedures								-	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.7.16.2.	Perform decoupling procedures								-	-	-	-
A4.7.17.	Operational check AMAD using ground motoring cart (RG920-1)								-	-	-	-
A4.7.18.	Engine emergency start system											
A4.7.18.1.	Detect safe/unsafe hydrazine condition								-	-	-	-
A4.7.18.2.	Service ESS nitrogen bottle								-	-	-	-
A4.7.18.3.	Remove/Install ESS ground safety pin								-	-	-	-
A4.7.18.4.	Troubleshooting								-	-	-	-
A4.7.19.	Throttle control system											
A4.7.19.1.	Rig and adjust											
A4.7.19.1.1.	U-2S throttle control cable system								-	-	-	-
A4.7.19.1.2.	U-2ST throttle control cable system								-	-	-	-
A4.7.19.2.	Remove and install											
A4.7.19.2.1.	U-2S throttle quadrant								-	-	-	-
A4.7.19.2.2.	U-2ST forward throttle quadrant								-	-	-	-
A4.7.19.2.3.	U-2ST rear throttle quadrant								-	-	-	-
A4.8.	AIRCRAFT FUEL SYSTEMS TR: TM U-2S-2-1; U-2S-2-4; U-2S-2-5; U-2ST-2; TO 00-25-172; TO 1-1-3; ACCI 21-101; Applicable AFOSH Stds.											
*A4.8.1.	Fuel components and system operation								A	B	-	-
*A4.8.2.	Operate internal fuel system								2b	-	-	-
A4.8.3.	Refuel and defuel aircraft											
*A4.8.3.1.	Team member	*							3c	-	-	-
A4.8.3.2.	Team supervisor		*						-	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.8.4.	Prepare aircraft for fuel cell maintenance								-	-	-	-
A4.8.5.	Inspect fuel system components								-	-	-	-
*A4.8.6.	Set electronic fuel counter								3c	-	-	-
*A4.8.7.	Perform fuel boost pump operational/leak check								3c	-	-	-
A4.8.8.	Hot Refuel KC-135 to U-2											
A4.8.8.1.	Position A								-	-	-	-
A4.8.8.2.	Position B								-	-	-	-
A4.8.8.3.	Position C								-	-	-	-
A4.9.	ELECTRICAL SYSTEM TR: TM U-2S-2-8; U-2S-6											
*A4.9.1.	Electrical system components and system operation								A	B	-	-
*A4.9.2.	Connect, apply, and disconnect external electrical power	*							3c	-	-	-
A4.9.3.	Operate (with external power)											
A4.9.3.1.	Indicator warning lights								-	-	-	-
A4.9.3.2.	Electrical power supply system								-	-	-	-
A4.9.3.3.	Lighting system (internal/external)								-	-	-	-
A4.9.3.4.	Master light test switch								-	-	-	-
A4.9.4.	Remove and install											
A4.9.4.1.	Light lenses								-	-	-	-
A4.9.4.2.	Lamps/bulbs								-	-	-	-
*A4.9.4.3.	Batteries	*							2b	-	-	-
A4.9.5.	Use wiring diagrams								-	-	-	-
A4.9.6.	Inspect											
A4.9.6.1.	Components								-	-	-	-
A4.9.6.2.	Wiring and connectors								-	-	-	-
A4.9.6.3.	Terminal strips								-	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.9.7. Troubleshooting								-	-	-	-
A4.10. EGRESS SYSTEM TR: TM U-2S-2-1; U-2S-2-2; RQ 201; U-2S-6											
*A4.10.1. Egress components and system operation								A	-	-	-
A4.10.2. Inspect components and plumbing								-	-	-	-
*A4.10.3. Perform cockpit entry procedures	*							3c	-	-	-
A4.11. AEROSPACE GROUND EQUIPMENT TR: TM U-2S-2-1; U-2S-2-2; U-2ST-2; AFOSH Std 91-100											
A4.11.1. Oil servicing carts TR: TO 35A17 Series											
*A4.11.1.1. Perform pre-use inspection								2b	-	-	-
*A4.11.1.2. Operate								2b	-	-	-
A4.11.1.3. Service								-	-	-	-
A4.11.2. Hydraulic servicing carts TR: TO 35D29 Series											
*A4.11.2.1. Perform pre-use inspection								2b	-	-	-
*A4.11.2.2. Operate								2b	-	-	-
A4.11.2.3. Service								-	-	-	-
A4.11.3. Hydraulic test stand MJ1-1 TR: TO 33A2 Series, TM U-2S-2-3											
*A4.11.3.1. Perform pre-use inspection								2b	-	-	-
*A4.11.3.2. Operate								2b	-	-	-
A4.11.4. Liquid oxygen servicing equipment TR: TOs 15X-1-1, 37C2-8											

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
*A4.11.4.1.	Perform pre-use inspection								2b	-	-	-
*A4.11.4.2.	Operate								2b	-	-	-
A4.11.5.	Engine transfer trailer TR: TO 35D3 Series											
A4.11.5.1.	Perform pre-use inspection								-	-	-	-
A4.11.5.2.	Operate								-	-	-	-
A4.11.6.	RG130 fuselage cart TR: TM U-2S-2-1											
A4.11.6.1.	Perform pre-use inspection								-	-	-	-
A4.11.6.2.	Operate								-	-	-	-
A4.11.7.	RG733 Aft section cart TR: TM U-2S-2-1, U-2S-2-2											
A4.11.7.1.	Perform pre-use inspection								-	-	-	-
A4.11.7.2.	Operate								-	-	-	-
A4.11.8.	RG16 Nose removal dolly TR: TM U-2S-2-2											
A4.11.8.1.	Perform pre-use inspection								-	-	-	-
A4.11.8.2.	Operate								-	-	-	-
A4.11.9.	Superpod dollies TR: TM U-2S-2-12 Vol I											
A4.11.9.1.	RG504 Fore and Aft pod dolly TR: TM U-2S-2-12 Vol I											
A4.11.9.1.1.	Perform pre-use inspection								-	-	-	-
A4.11.9.1.2.	Operate								-	-	-	-
A4.11.11.	RG494 Superpod Midbody dolly TR: TM U-2S-2-12 Vol I											
A4.11.11.1.	Perform pre-use inspection								-	-	-	-
A4.11.11.2.	Operate								-	-	-	-
A4.11.12.	AM32A-86 Generator TR: Applicable TM											
A4.11.12.1.	Perform pre-use inspection	*							-	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.11.12.2.	Operate	*							-	-	-	-
A4.11.13.	AM32A-95 TR: Applicable TM											
A4.11.13.1.	Perform pre-use inspection	*							-	-	-	-
A4.11.13.2.	Operate	*							-	-	-	-
A4.11.14.	EPU-G/E shelter power unit TR: 35CL-4-146-1											
A4.11.14.1.	Perform pre-use inspection								-	-	-	-
A4.11.14.2.	Operate								-	-	-	-
A4.11.15.	RG 38 Sulky TR: U-2S-2-1											
A4.11.15.1.	Perform pre-use inspection								-	-	-	-
A4.11.15.2.	Operate								-	-	-	-
A4.11.16.	RG158-2 Emergency Towbar TR: U-2S-2-1											
A4.11.16.1.	Perform pre-use inspection								-	-	-	-
A4.11.16.2.	Operate								-	-	-	-
A4.11.17.	RG 290-1 AMAD ground motoring cart TR: U-2S-2-2											
A4.11.17.1.	Perform pre-use inspection								-	-	-	-
A4.11.17.2.	Operate								-	-	-	-
A4.11.18.	RG37 Wing support assembly TR: TO 35-1-246WC-1											
A4.11.18.1.	Perform pre-use inspection								-	-	-	-
A4.11.18.2.	Use								-	-	-	-
A4.11.19.	RG305 wing support stand TR: TO 35-1-246WC-1											
A4.11.19.1.	Perform pre-use inspection								-	-	-	-
A4.11.19.2.	Use								-	-	-	-
A4.11.20.	RG148 MLG jack assembly											

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES		2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
		A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
		5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.11.20.1.	Perform pre-use inspection								-	-	-	-
A4.11.20.2.	Use								-	-	-	-
A4.11.21.	RG52 Q-bay hoist assembly											
A4.11.21.1.	Perform pre-use inspection								-	-	-	-
A4.11.21.2.	Use								-	-	-	-
A4.11.22.	Overhead hoist assembly											
A4.11.22.1.	Perform pre-use inspection								-	-	-	-
A4.11.22.2.	Use								-	-	-	-
A4.11.23.	RG587 Q-bay hatch dolly											
A4.11.23.1.	Perform pre-use inspection								-	-	-	-
A4.11.23.2.	Use								-	-	-	-
A4.11.24.	RG157 cockpit workstand assembly											
A4.11.24.1.	Perform pre-use inspection								-	-	-	-
A4.11.24.2.	Use								-	-	-	-
A4.11.25.	RG580 service stand (U-2ST)											
A4.11.25.1.	Perform pre-use inspection								-	-	-	-
A4.11.25.2.	Use								-	-	-	-
A4.11.26.	Mooring equipment											
A4.11.26.1.	Perform pre-use inspection								-	-	-	-
A4.11.26.2.	Use								-	-	-	-
A4.11.27.	RG17 Engine Runup Kit (RG44 Deadman, or RG221 Spreader Bar)											
A4.11.27.1.	Perform pre-use inspection								-	-	-	-
A4.11.27.2.	Use								-	-	-	-
A4.12.	Pneumatic elevator bags											
A4.12.1.	Perform pre-use inspection								-	-	-	-
A4.12.2.	Perform 90-day inspection								-	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.12.3. Perform periodic inspection								-	-	-	-
A4.13. Pneumatic lifting console											
A4.13.1. Perform pre-use inspection								-	-	-	-
A4.13.2. Perform 90-day inspection								-	-	-	-
A4.13.3. Perform periodic inspection								-	-	-	-

U-2 AIRCRAFT QUALITATIVE REQUIREMENTS

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Tng Start	Tng Complete	Trainee Initials	Trainer Initials	Cert Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC

STS 2A333E
A-10 MATRIX

NOTE 1: The column titled Phase 3A of the following matrix identifies training in the resident course conducted at Sheppard AFB Texas. The column titled Phase 3B identifies training received at Davis Monthan AFB Arizona.

NOTE 2: Weapon system peculiar items not being taught due to weapon system configuration at student's end assignment do not require a Training Deficiency Letter to be issued.

Weapon System	Course Number	PDS Code
A-10 (Phase 3A)	**J3AQR2A333E 002**	**17O**
A-10 (Phase 3B)	**J3ABP2A333E 002**	**1T0**

STS ELEMENT	TASK ITEM	PHASE 3A	PHASE 3B
A3.1.1.1.	Phase Inspection Concept	A	-
A3.1.1.2.2.	Perform Preflight	2b	3c
A3.1.1.2.3	Perform Thruflight	2b	3c
A3.1.1.2.4.	Perform Basic Postflight	2b	3c
A3.1.1.2.5.	Perform Combined preflight/postflight	3c	-
A3.1.1.3.	Avionics system components and operation	A	-
A3.1.1.4.	Weapons system components and operation	A	-
A3.1.2.1.	Operate UHF radio	2b	-
A3.1.2.2.	Use interphone	3c	-
A3.1.3.1.	Launch aircraft	a	3c
A3.1.3.2.	Recover aircraft	a	3c
A3.1.3.3.	Marshall aircraft	a	-
A3.1.3.4.1.	Tow team member	3c	-
A3.1.3.5.	Moor aircraft	a	-
A3.1.3.6.1.	Jacking team member	3c	-
A3.1.3.6.3.	Axle jacking	3c	-
A3.1.3.7.	Prepare aircraft for wash	a	-
A3.1.3.8.	Perform post wash lubrication	3c	-
A3.1.5.	Safe aircraft for maintenance	3c	-
A3.1.6.1.	Use job guides	3c	-
A3.1.6.2.	Use workcards	3c	-
A3.1.6.3.	Use Illustrated Parts Breakdown	3c	-
A3.1.6.4.	Use General Description technical orders	3c	-
A3.1.7.1.	Document AFTO Form 781H	3c	-
A3.1.7.2.	Document AFTO Form 781A	3c	-
A3.1.7.3.	Document AFTO Form 781J	3c	-
A3.1.7.4.	Document AFTO Form 781K	3c	-
A3.1.7.5.	Document aircraft forms	2b	-
A3.1.8.1.	Create CAMS job	2b	-
A3.1.8.2.	Clear CAMS job	2b	-
A3.1.8.3.	Schedule CAMS job	2b	-
A3.1.8.4.	Defer CAMS job	2b	-
A3.2.1.	Airframe components and construction	A	-
A3.2.2.1.	R/I open/close stress/access panels/doors	3c	-
A3.2.2.4.	Open/close outer nacelle doors	2b	-
A3.2.2.5.	Remove/install inner shrouds	2b	-
A3.2.2.6.1.	Raise/lower windscreen	2b	-
A3.2.2.7.	R/I open/close cargo pods	2b	-
A3.3.1.	Landing gear system components and operation	A	-
A3.3.2.1.	Operate landing gear	1b	-
A3.3.2.2.	Operate brakes	1b	-
A3.3.2.6.	Operate emergency brake system	2b	-
A3.3.3.2.	Routine service landing gear struts	3c	-

STS ELEMENT	TASK ITEM	PHASE 3A	PHASE 3B
A3.3.4.	Service tires	3c	-
A3.3.6.1.	Remove/install Nose wheel and tire assembly	3c	-
A3.3.6.2.	Remove/install Main wheel and tire assembly	3c	-
A3.3.6.3.	Remove/install brake assembly	2b	-
A3.3.6.4.	Bleed brakes	1b	-
A3.3.7.	Determine serviceability of aircraft tires	3c	-
A3.4.1.	Utility system components and operation	A	-
A3.4.2.1.	Service oxygen system (LOX)	2b	3c
A3.4.3.	Remove/install LOX converter	3c	-
A3.5.1.	Flight control system components and operation	A	-
A3.6.1.	Hydraulic system components and operation	A	-
A3.6.2.1	Service hydraulic accumulator	3c	-
A3.6.2.2.	Service hydraulic reservoir	3c	-
A3.6.4.	Drain hydraulic reservoir	2b	-
A3.6.6.1.	Remove/install actuators	2b	-
A3.6.6.2.	Remove/install accumulators	a	-
A3.6.6.3.	Remove/install lines	2b	-
A3.6.6.4.	Remove/install filters	a	-
A3.7.1.	Engine system components and operation	A	-
A3.7.5.	Take oil sample	2b	3c
A3.7.6.1.	Service oil system	2b	3c
A3.7.6.2.	Service IDG	2b	-
A3.7.11.1.	TEMS components and operation	A	-
A3.7.14.	APU components and operation	A	-
A3.7.14.1.	Service APU	3c	-
A3.8.1.1.	Internal fuel system components and operation	A	-
A3.8.1.2.	External fuel system components and operation	A	-
A3.8.2.	Refuel aircraft	2b	3c
A3.8.3.1.	Defuel aircraft - team member	1b	-
A3.8.4.	Remove/install external fuel tanks	2b	-
A3.8.6.1.	UARRSI system components and operation	A	-
A3.9.1.	Electrical system components and operation	A	-
A3.9.2.1.	Operate internal lighting system	3c	-
A3.9.2.2.	Operate external lighting system	3c	-
A3.9.3.1.	Remove/install light lenses	3c	-
A3.9.3.2.	Remove/install light bulbs	3c	-
A3.9.3.3.	Remove/install battery	3c	-
A3.9.6.	External electrical power application	3c	-
A3.10.1.	Egress system components and operation	A	-
A3.10.2.1.	Operate canopy system (Normal)	2b	3c
A3.10.2.2.	Operate canopy system (Manual)	2b	3c
A3.10.2.3.	Operate seat adjustment	3c	-
A3.10.4.	Remove/install egress safety pins	2b	3c

STS ELEMENT	TASK ITEM	PHASE 3A	PHASE 3B
A3.10.5.	Perform cockpit entry procedures	2b	3c
A3.11.2.1	Inspect LOX servicing equipment	2b	3c
A3.11.2.2.	Use LOX servicing equipment	2b	3c
A3.11.3.1.	Inspect hydraulic test stand	3c	-
A3.11.3.2.	Use hydraulic test stand	3c	-
A3.11.4.1.	Inspect nitrogen servicing equipment	-	3c
A3.11.4.2.	Use nitrogen servicing equipment	-	3c
A3.11.5.1.	Inspect oil servicing carts	2b	-
A3.11.5.2.	Use oil servicing carts	2b	-
A3.11.6.1	Inspect hydraulic servicing carts	3c	-
A3.11.6.2.	Use hydraulic servicing carts	3c	-
A3.11.7.1.	Inspect generator set - A/M32A-86	3c	-
A3.11.7.2.	Use generator set - A/M32A-86	3c	-

Section B - Course Objective List

4. Measurement. Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is comprised of a condition, behavior, and standard which states what is expected of the student for each task. The condition is the setting in which the training takes place. The behavior is the action a student must demonstrate to accomplish a task (i.e. remove and install a wheel and tire assembly). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter codes(s) to identify how it is measured. All objectives use the **PC** code which indicates a progress check is used to measure subject or task knowledge. Progress checks are also used to measure student accomplishment of performance objectives. **W** indicates a comprehensive written test and is used to measure the subject and/or task knowledge at the end of a block of instruction. **PC/W** indicates separate measurement of both knowledge and performance elements using a written test and a performance progress check.

5. Standard. The standard is 72% on written examinations. Standards for performance measurement are indicated in the objective and delineated on the individual progress checklist. The checklist is used by the instructor to document each student's progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

6. Proficiency Level. Most task performance is taught to the "2b" or "3c" proficiency level. The "2b" means the student can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. The "3c" means the student can do all parts of the task but may need a spot check of completed work (Competent). The student should be able to identify why and when the task must be done and why each step is needed.

7. Course Objectives. If you require a detailed copy of course descriptions and objectives, please provide a written request to the AETC Training Manager, 362 TRS/TRR, 613 10TH Avenue, Sheppard AFB TX 76311-2352.

Course J3ATR2A020 001, Aircraft Maintenance Fundamentals. This course is 23 days long and a prerequisite course for all aircraft maintenance apprentices (fixed wing) before entry into AFS awarding training in follow-on courses at Sheppard or in training detachments. The course provides an overview of career progression, security, technical orders, maintenance management, maintenance documentation, aircraft and flightline safety. Students are taught to use handtools and hardware, aerospace ground equipment, and to perform ground handling, corrosion identification and inspection procedures. Fundamental concepts of airframe, egress, electrical, engines, environmental, pneudraulics, landing gear, flight controls, and related systems are presented. The course provides familiarization to personnel assigned to heavy aircraft (bombers,

tankers, and airlift) and light aircraft (fighters, and attack). The course hours are included in the course charts of AFS-awarding aerospace maintenance apprentice courses.

Course J3AQR2A333E 002, Fighter Aircraft Maintenance Apprentice (A-10). This course includes the 23 day Aircraft Maintenance Fundamentals course listed above plus 63 days of weapon specific training on the A-10 aircraft. The AFSC 2A333E will be awarded after completion of this course and completion of course J3ABP2A333E 002, Fighter Aircraft Maintenance Apprentice (A-10), at Davis Monthan AFB Arizona. Training includes A-10 technical order system, maintenance management, maintenance documentation (CAMS and AFTO Forms), aircraft and flight line safety (AFOSH), inspection and use of aircraft support equipment, and aircraft ground handling. Hands-on training is also provided on aircraft systems such as egress, airframe, electrical, utilities, hydraulics, flight controls, landing gear, engines, and fuels. Students will also perform various aircraft and system inspections, service aircraft systems, and lubricate the aircraft. Students will be certified as 3-levels on various tasks in this course. See attachment 5, A-10 MRT Matrix.

Course J3ABP2A333E 002, **Fighter Aircraft Maintenance Apprentice (A-10).** Includes 19 days of task certification training as 3-levels at Davis Monthan AFB Arizona on inspections such as preflight, thruflight, and basic postflight. Task certification is also performed on aircraft launch and recovery, servicing liquid oxygen system, taking oil samples and servicing oil system, refueling as an aircraft team member, operating the canopy and seat, inspecting egress safety devices, removing and installing egress safety pins, performing cockpit entry procedures, and inspecting and using liquid oxygen and liquid nitrogen servicing equipment. See attachment 5, A-10 MRT Matrix.

Course J3AQR2A333H 000, Fighter Aircraft Maintenance Apprentice (U-2). This course consists of the Aircraft Maintenance Fundamentals course listed above. Students attend the fundamentals course at Sheppard AFB Texas and then attend the Training Detachment course, J3ABP2A333H 005, at Beale AFB California. The course is 50 days long with certification training on inspections, launch and park aircraft, safe aircraft for maintenance, AFTO Forms, and remove and install ground safety devices. Training is also provided on aircraft communication equipment, towing and jacking aircraft, upload/download ballast, CAMS, removing and installing various airframe components, servicing aircraft systems, egress training, and inspection and use of AGE. The fundamentals course along with the training detachment course awards the 2A333H AFSC.

Course J3ACR2A373J 000, **Fighter Aircraft Maintenance Craftsman**. Provides detailed instruction in the use of technical orders, system schematics, troubleshooting, charts/log trees, and system components for Air Force personnel who possess AFSC 2A353J. Course addresses management and supervisory areas unique to the aircraft maintenance career field. Prerequisites include completion of CDCs, AF core tasks, and 12 months OJT as a SSgt (6 months for retrainee).

Section C - Support Material:

8. The following list of support materials is not all inclusive; however, it covers the most frequently referenced areas. Support material is any training package designed to enhance the learning process at any level of training. Refer to AFCAT 36-2223, USAF Formal Schools, for information on AETC formal courses.

8.1. This paragraph list the Training Detachment courses and addresses for points of contact for information on these courses. The addresses are: 372 TRS/TXB, 912 I Avenue, Suite 3, Sheppard AFB Texas 76311-2361, DSN 736-4791 and 373 TRS/TXB, 912 I Avenue, Suite 4, Sheppard AFB Texas 76311-2361, DSN 736-4739.

COURSE NUMBER	**COURSE TITLE**	**OPR**
J3ABP2A333H 005	U-2 Tactical Aircraft Maintenance Apprentice	373TRS
J4AMF/ASF/AST2A3X3J 043	U-2 Tactical Aircraft Maintenance Craftsman	373 TRS
J4AMF/ASF/AST2A3X3J 058	U-2R/S Tactical Aircraft Maintenance Craftsman (Repair and Reclamation)	373 TRS
J4AMF/ASF/AST2A3X3J 087	U-2S Advanced Maintenance Craftsman (CRT)	373 TRS
J4AMF/ASF/AST2A6X1A 095	U-2S Engine Familiarization	373 TRS
J4AMF/ASF/AST2A6X1A 096	U-2S Engine Borescope	373 TRS
J4AMF/ASF/AST2A6X1A 098	U-2S Engine Operator	373 TRS
J4AMF/ASF/AST2A3X3J 021	A-10A Flight Control Rigging	372 TRS
J4AMF/ASF/AST2A3X3J 025	A-10A Canopy Rigging	372 TRS
J4AMF/ASF/AST2A3X3J 084	A-10A Tactical Aircraft Maintenance (HYD/APG)	372 TRS
J4AMF/ASF/AST2A6X1A 118	TF34 Engine Diagnostic and Trending (O/M)	373 TRS
J4AMF/ASF/AST2A6X1A 119	A-10A Aerospace Propulsion-Jet Engine (O/M)	373 TRS
J4AMF/ASF/AST2A6X1A 120	A-10A Aerospace Propulsion-Jet Engine (Systems Check) (O/M)	373 TRS

8.2. The following Interactive Courseware (ICW) is available from, or under development by 367 TRS/TRSS at Hill AFB Utah. To obtain more information about each course, request a copy

of the Courseware Catalog from 367 TRSS, 6058 Aspen, Building 1295, Hill AFB UT 84056-5805. Their FAX number is DSN 777-0897 and their customer service number is DSN 777-0160. To request ordering information on hardware, your MAJCOM training POC (for ACC, AMC, and ANG) is the first stop. For personnel under other MAJCOMs, you contact them directly, they will provide you the information required for purchasing the item through them. If you decide to purchase the system, they will FAX you the AF Form 616 to use for an example. The 367 TRSS internet site is: http://www.hill.af.mil/367TRSS/findex.htm.

COURSE NUMBER	COURSE TITLE
00TIV0007	Potential Hazards of Oxygen Enriched Environments
00TIV0001V1	Troubleshooting Techniques
00TIV0002	Aerospace Ground Equipment Training
00TCB0002V1	Multimeter Familiarization
00CIV0008	Use and Care of Type III Torque Wrenches
00TIV1000	Aircraft Marshaling
00TVT0017V1	General Aircraft Corrosion Control
01SIV8971V5.1.1	-86 Diesel Power Unit Operation
1AQIV6305	A-10 (TF34) Engine Maintenance Troubleshooting
A1TVT266001	A-10 Engine Removal and Replacement Safety Review

Section D - Training Course Index:

9. Purpose: This index lists Air Force resident, ECI, and exportable courses used to support training for this specialty. Refer to AFCAT 36-2223, USAF Formal Schools, for information on AETC formal courses listed below.

9.1. Air Force In-Residence Courses:

COURSE NUMBER	TITLE	OPR
J3AQR2A333E 002	Fighter Aircraft Maintenance Apprentice (A-10)	362 TRS
J3ABP2A333E 002	Fighter Aircraft Maintenance Apprentice (A-10)	362 TRS
J3AQR2A333H 000	Fighter Aircraft Maintenance Apprentice (U-2)	362 TRS

COURSE NUMBER	TITLE	OPR
J3ACR2A373J 000	Fighter Aircraft Maintenance Craftsman	362 TRS

9.2. Extension Course Institute (ECI) Courses:

COURSE NUMBER	TITLE	LOCATION
CDC 2A353J	Tactical Aircraft Maintenance Journeyman	Sheppard AFB
CDC 2AX7X	Maintenance Supervision and Management	Sheppard AFB
CDC 2A373J	Fighter Aircraft Maintenance Craftsman	Sheppard AFB

9.3. Exportable Courses:

COURSE NUMBER	TITLE	OPR	MEDIA
J6ANU2A000 000	Weight and Balance (General)	362 TRS	CBT
J6ANU2A3X3 000	Weight and Balance (Tactical Aircraft)	362TRS	CBT
J6ANU2E066 038	AF Technical Order System (General)	362 TRS	CBT
J6ANU2E066 039	AF Technical Order System (Advanced)	362 TRS	CBT
J6AZU2E066 058	AF Maint Data Collection System (CAMS)	362 TRS	CBT
J6AZU2E066 059	AF Maint Data Collection System (CAMS) (781 Forms)	362 TRS	CBT
J6AZU2E066 061	Core Automated Maintenance System (CAMS) Introduction	362 TRS	CBT
J6AZU2E066 062	Core Automated Maintenance System (Mid-Level Maintenance Manager)	362 TRS	CBT
J6AZU2E066 063	Core Automated Maintenance System (Sr.-Level Maintenance Manager)	362 TRS	CBT

9.4. Courses Under Development/Revision:

COURSE NUMBER	TITLE	OPR
J3AQR2A333E 002	Fighter Acft Maint Apprentice (A-10) (Revised MRT course being developed for 981201 start)	362 TRS
J3ABP2A333E 002	Fighter Acft Maint Apprentice (A-10) (Revised MRT course being developed for 990420 start)	362 TRS
J3ACR2A373J 000	Fighter Aircraft Maintenance Craftsman (Revised course being developed for 9901 start)	362 TRS
J3ABP2A333H 005	U-2 Tactical Aircraft Maintenance Apprentice (Revised course being developed for 9808 start)	373 TRS
CDC 2A353J	Fighter Aircraft Maintenance Journeyman (A-10/U-2)	362 TRS
CDC 2A373J	Fighter Aircraft Maintenance Craftsman (A-10/U-2)	362 TRS

Section E - MAJCOM Unique Requirements

10. Currently only Air Combat Command has a MAJCOM mandatory course list (MMCL). MAJCOMs change mandatory course requirements occasionally. Up-to-date ACC requirements can be obtained at http://www.acclog.af.mil/lgq/lgqt/98mmcl.doc. Refer to the HQ ACC MMCL for additional information. The below requirements are current as of 28 Aug 98.

COURSE NUMBER	TITLE	MDS
2A3X3J-084	Tactical Aircraft Maintenance (Hyd/APG)	A-10
2A3X3J-087	U-2 Advanced Maintenance Craftsman	U-2